

\$1/March 1984

THE AMERICAN

LEGION

FOR GOD AND COUNTRY

WONDER WEAPONS

A Necessary Investment?

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**America's Defenses:
Are We Ready?**

Interview with
Caspar W. Weinberger

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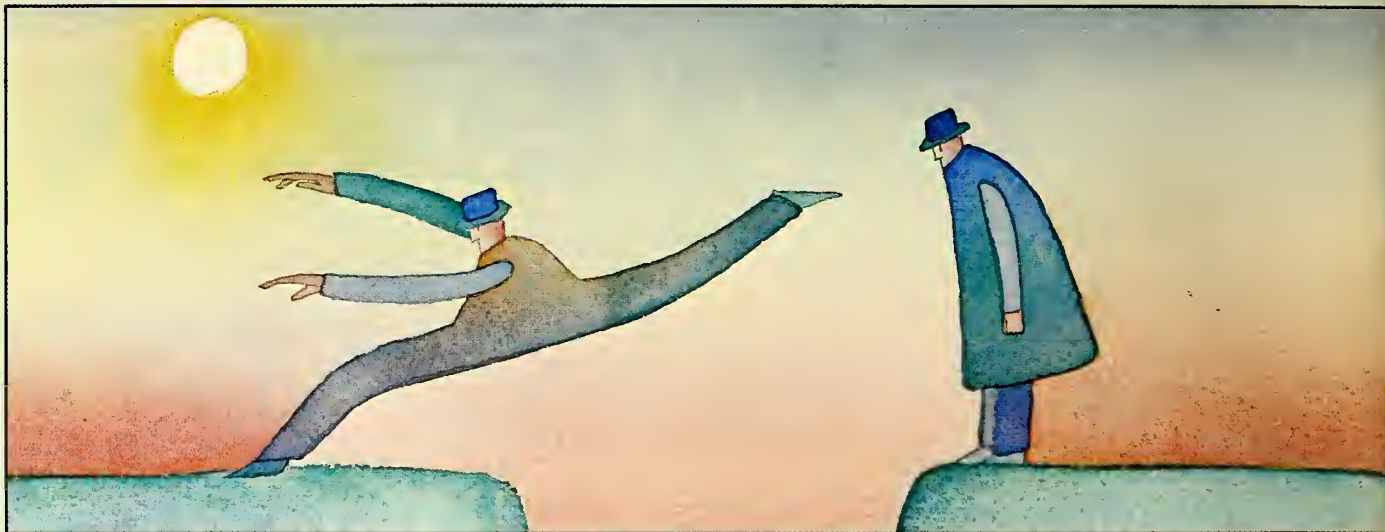
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How computers help determine winners in football, baseball and other sports.



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THE AMERICAN LEGION MAGAZINE, a recognized leader among national general-interest publications, is published monthly by The American Legion for its 2.5 million members. These military-service veterans, working through 16,000 community-level Posts, dedicate themselves to God and country and traditional American values; a strong national security; adequate and compassionate care for veterans, their widows and orphans; community service, and the wholesome development of our nation's youth.



NUCLEAR ENERGY

Is America being left behind?

"In Europe, it's still full speed ahead for nuclear power"

New York Times, December 4, 1983

"Japan pursuing aggressive nuclear energy program"

Business Week, September 19, 1983

"Britain, China sign agreement for Chinese nuclear power plant"

Wall Street Journal, December 8, 1983

News stories like these raise questions about what, if anything, America stands to lose if we fall behind in nuclear energy development.

Eighty-four nuclear power plants are now licensed to operate across the U.S., and fifty more are being built. But since 1978, no future nuclear plants have been planned in this country. During the same period, at least 40 such plants have been ordered in other parts of the world.

Nuclear electricity is growing worldwide

There are now close to 300 nuclear power plants producing electricity in 25 countries throughout the world. Japan, France, the Soviet Union, and China are among the many nations committed to nuclear electricity as an economic, safe alternative to oil-fired and coal-fired power—despite reduced rates of growth in energy consumption.

In Japan, eight new nuclear plants are due to start producing electricity over the next three years. Japanese companies are designing their own advanced reactors and making it

possible to gain the edge in nuclear energy technology.

Soon, over 50 percent of France's electricity will be nuclear-generated. It takes only six years or so to get a nuclear plant built there, which is half the average time needed to build one in the U.S.

A secure America needs a balanced mix of energy sources

Our country has a lot more oil, natural

gas, and coal than either France or Japan. But oil supplies are uncertain. Natural gas is more valuable for other uses than for burning in power plants. And coal, though essential, can't be expected to do the job alone.

What is best for the practical generation of large amounts of electricity? The National Academy of Sciences has stated that "Coal and nuclear power are the only economic alternatives for large-scale application in the remainder of this century."

The cost of not pushing ahead

Through the growing use of nuclear electricity, countries all over the world are reducing their dependence on oil and strengthening their position in increasingly competitive world markets. They realize that a healthy national economy needs a healthy supply of energy.

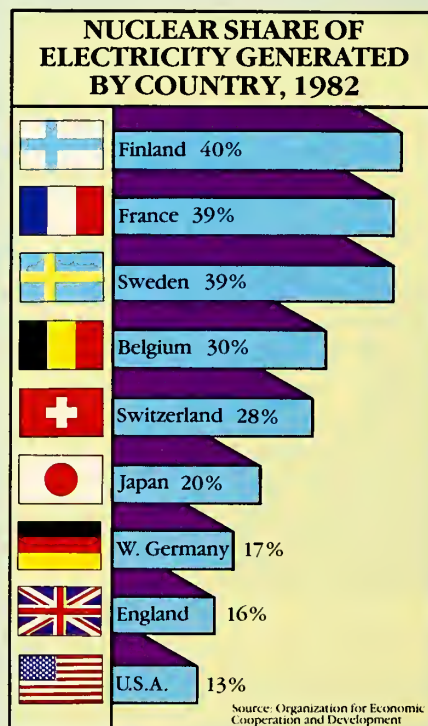
Will we have to play a costly game of catch-up in the competition ahead? America runs the risk of doing just that—if we ignore the growing international reliance on nuclear energy, and the reasons behind that growth.

Free booklet tells more

For a free booklet that covers nuclear electricity in more detail, write to the U.S. Committee for Energy Awareness, P.O. Box 37012 (56), Washington, D.C. 20013.

Information about energy
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In many countries throughout the world, nuclear power is now supplying a substantial share of the electricity that people consume.

“The Torch” at 65: New Look, New Outlook

Communication is the web that binds a great organization like The American Legion together with its 58 Departments, 16,000 community-level Posts and 2.5 million members.

THE AMERICAN LEGION MAGAZINE has long performed this essential role. And its “new look,” which readers will note in this March issue of the Legion’s 65-year-old publication, is aimed directly at doing this job even better.

No one better understood the basic need for an effective organization-wide communications link than the founders of the Legion. One of the first decisions made at the organizing caucus in early 1919 was to set up a special publication. This, according to the founders’ recommendation, was to be . . .

“A national, non-partisan, non-sectional organ for the service of the American people; a champion of Americanism which means independence, security, health, education, greater contentment and progress for every patriot; to be the torch, the beacon light thrown into our hands by the Americans who fell, and held as a unique and living monument to that other legion which did not come back.”

Thus, on July 4, 1919, appeared the first issue of THE AMERICAN LEGION WEEKLY. It consisted of 30 pages, with the cover bearing a cablegram from that great hero of the era, General of the Armies John J. Pershing.

The newborn Legion’s key channel of contact with its widely dispersed members chalked up an impressive string of successes in the following years, but eventually fell victim to that eternal problem of publishing—rising production costs.



Natl. Cdr. Keith Kreul

In 1926, therefore, it was changed to a monthly magazine, which it has remained ever since.

The 693 issues produced in the intervening years have made the Magazine a near-legend among generations of Legionnaires, their families and friends. Member-readers have spent countless rewarding hours immersed in its varied coverage of veterans affairs and our nation’s life and times.

The Magazine has reported faithfully on the ebullient ’20s, the depressed ’30s, the expansive postwar period, the tragedies and glories of

WWII, Korea and Vietnam—and, more recently, Lebanon and Grenada. It has aggressively carried on the Legion’s fight for God and country and traditional American values; a strong national security; adequate and compassionate care for veterans, their widows and orphans; a better community, and the wholesome development of our nation’s youth.

Readers will see at a glance that the Magazine’s “new look” entails more than a graphic redesign. Editorial content has been sharpened and refocused to emphasize the overriding issues of our day—and particularly their significance and relevance to our great Legion family, one of the most concerned and influential segments of the American people in the public policy field.

All this is in accord with THE AMERICAN LEGION MAGAZINE’s special identity as . . .

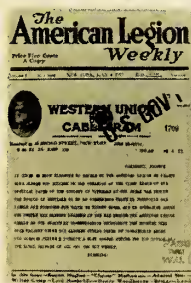
THE MAGAZINE FOR A STRONG AMERICA.

And by this we mean not only a strong national defense but also a strong economy, a strong social order and, above all, a strong people.

It’s to these vital tasks that the Magazine’s staff, working hand-in-hand with The American Legion leadership, dedicates itself.

We think that you, our readers, will

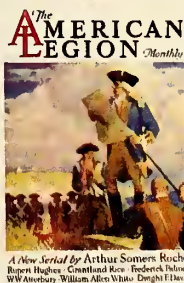
like and benefit from this new approach. But this is also *your* Magazine, and we would like to get your ideas and suggestions for further improvement. So please feel free to pass these on to James N. Sites, our publisher and editor-in-chief. I know that Jim and his entire staff will be glad to hear from you. ■



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Should The US Build Space-Based Missiles?

Rep. Kenneth B. Kramer, R-Colo.

Since the nuclear age began some 39 years ago, people have lived in fear of nuclear weapons. In March 1983, the President offered the world new hope when he issued his historic challenge to the American people and our scientific leaders to "turn their great talents . . . to the cause of mankind and world peace, to give us the means of rendering . . . nuclear weapons impotent and obsolete."

The President has proposed a "moral recovery" in American strategic policy, which we cannot afford to ignore.

It is time we throw out the morally bankrupt philosophy of Mutually Assured Destruction (MAD) based on the threat of massive offensive nuclear retaliation and begin a "Peace Race" to rid the world of nuclear weapons.

To implement the President's vision, I introduced the People Protection Act, calling for establishment of a unified space command to coordinate all space-defense activities, deployment of a manned space station and other structural changes.

At a recent hearing on the People Protection Act, Dr. Edwin E. "Buzz" Aldrin Jr., the Apollo astronaut who was the second man to walk on the moon, said the bill would ". . . ensure prompt and effective use of US space technology . . . for the protection of people from the awesome threat of nuclear weapons."

Granted, this transition away from nuclear retaliation to a strategy emphasizing defensive systems—this Manhattan Project for Peace—will not be easy. It will take our best minds and a bipartisan commitment from the Congress if we are to succeed.

However, the costs and obstacles must be put into perspective. No price is too great to assure that America never be devastated by a nuclear surprise attack. The challenge may be great but, in return, we may well be able to offer our children, our grandchildren and all generations to come a safer, saner world.

Unless we are willing to live with the specter of nuclear destruction, we must now join the President in a new national commitment to develop a comprehensive strategic defense.

YES



Rep. John J. "Joe" Moakley, D-Mass.



NO

A space-based ballistic missile defense system [BMD] will add nothing to US national security. Instead, it will only extend a destabilizing and costly arms race into outer space.

On March 23, 1983, President Reagan called on the scientific community to produce a new, futuristic missile defense system (most likely to have an orbiting component) to make nuclear weapons obsolete. The President's goal is certainly admirable—but I do not believe that the answer can be in the form of new, costly and exotic weaponry. What the President presents as a solution to our strategic paradox would, in fact, only exacerbate the problem.

A far simpler solution is at hand right now: Let us make an effort to negotiate real arms control. No technology, no matter how sophisticated, can match the effectiveness of bilateral and verifiable arms control agreements.

Without getting too involved in the technicalities, there are several reasons why we should not build a space-based BMD system and should seek instead a negotiated agreement to ban all space weapons. Cost is among the foremost considerations. Depending on the specific methods used, a space-based BMD system will run into the hundreds of billions of dollars.

Further, a space-based BMD system will not provide any protection from atmospheric weapons such as bombers or cruise missiles.

Given these limitations, it is likely that years of research and hundreds of billions of dollars will yield us extravagant weapons that do not work; indeed whose only effect is to precipitate a new and dangerous arms race in space. Certainly, the Soviets will not remain idle while we construct a grandiose, war-fighting capability. They will instead match us weapon for weapon, dollar for dollar.

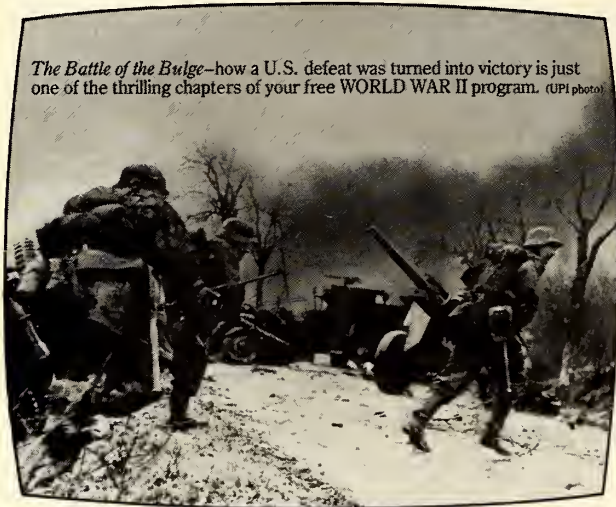
The end result will be a new round of weapons competition that will be far more costly and difficult to manage than anything we have grappled with to date. Let us demonstrate the foresight and common sense to prohibit *all* weapons from space—and let us do it now.

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Russia To Colonize Moon?

While Washington debates the development of "Star Wars" space weapons—laser beams and the like—the Russians are plodding along perseveringly, intent on settling colonies on Earth orbit, on the moon and eventually on Mars.

This is one of the conclusions of the Congressional Office of Technology Assessment, following a study of the range of capabilities the Soviets have achieved in their manned Salyut orbiting stations and the directions their programs may take in the future.

Expanding human habitation outward from Earth into the solar system is a "fundamental" USSR goal, OTA found. Since the day Sputnik was launched in October 1957, the Russians have been improving slowly steadily on the knowledge gained with each succeeding space vehicle: Salyut 7 has been in continuous orbit, serviced by space ferries, since April 1982.

Although the US leads in space technology, the Russians are more knowledgeable in space medicine and biology, and Soviet cosmonauts have logged more than three times US crew-hours experience and data in orbit. OTA predicts that Russia may plan on establishing a permanent colony on the moon by 1999.

The impact of an evolving Soviet space-station program is unclear. A "permanent presence in space" by the USSR might not cause much excitement in our own country, OTA believes, adding: "Creation of a significant and obvious military installation in orbit, however, might well dictate an American response in kind."

Curiously coincidental, however, was President Reagan's call, in his "State of the Union" address Jan. 25, for establishment by NASA of a permanently manned orbiting space station by the end of this decade.

"Nuke" Attack On Capital?

Panic hasn't hit Washington yet, but there's considerable worry here about the possibility of nuclear assault on the nation's capital. It's not the ever-potential threat of a Soviet strike but, more imminently, the possibility of terrorist attack.

Official Washington isn't saying much about the new precautions being taken since the truck-delivered bombing that killed 241 Marines in Beirut and a mysterious bomb exploded on Capitol Hill. But hurried security measures have been taken, and more are under way, to protect the White House, Capitol and other key points in the District of Columbia, including the possibility of a kamikaze pilot.

What if the terrorists come up with a nuclear device? There are ominous predictions by some observers here that such a danger may become a reality within two or three years. Sen. William Proxmire, D-Wis., has called for three steps he believes will at least reduce the impact of a terrorist "nuke" blasting Washington:

First: Halt nuclear proliferation.

Second: Halt the practice of the President and Vice President, Supreme Court, Congress and Cabinet meeting together (as during the State of the Union address).

Three: Keep the President and Vice President safeguarded and separated as much as possible.

Without a doubt, more steps also will be taken to defend US leadership.

Nuclear "Hot-Line" Urged

Two senators have proposed a new "hot-line" between the United States and Russia as a move to avert a collision of the superpowers as a consequence of nuclear terrorism.

Sen. Sam Nunn, D-Ga., and John W. Warner, R-Va., called for establishing nuclear risk-reduction centers in Washington and Moscow that would maintain a 24-hour watch on events that might precipitate nuclear war.

Their plan is based on studies made by a group of experts concerned, among other possibilities, with nuclear terrorism. The risk reduction centers would be in addition to the current upgraded "hot-line."

The existing "hot-line" does not deal adequately with the threat of nuclear terrorism, the senators said. They urged both governments to give consideration to the idea.

Space: Civilian Or Military?

The General Accounting Office, an investigative arm of Congress, is worried about the possibility that the US civilian space program under the National Aeronautics and Space Agency is slowly being taken over by the Department of Defense in its own program for national security in space.

For the past 25 years, separate civilian and military space programs have been developed. In 1972, President Nixon authorized NASA to come up with a reusable craft for transporting satellites to and from space.

In response, the space shuttle was launched in November 1982, requiring the joint efforts of both agencies. Now the indications are that NASA operations and budget increasingly will be integrated into DOD's needs.

As a result, NASA will be faced with "complications" in supporting its civil, commercial and foreign customers, especially since civilian objectives of the shuttle have yet to be defined. The GAO urges Congress to resolve the issue.

Quote Of The Month

"The nasty mood in Moscow is rooted in a general climate of extreme anxiety and anger. That climate favors heavy-handed posturing both at home and abroad, and the United States serves as a convenient villain, deflecting the resentful disillusionment of the Soviet people."

*Dmitri K. Simes, senior associate,
Carnegie Endowment for Peace.*

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P.O. Box 1055
Indianapolis, IN 46206
317-635-8411

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National Commander

James N. Sites
Publisher/Editor in Chief

Daniel S. Wheeler
Assistant Publisher/Editor

Philip F. Van Pelt
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James A. Chaney
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Production Manager

Advertising Contacts:

Bernice Holbrook
Advertising Production Assistant
The American Legion Magazine
700 North Pennsylvania St.,
P.O. Box 7068
Indianapolis, IN 46207
317-635-8411

Robert Redden Assoc., Inc.
P.O. Box 999, Teaneck, NJ 07666
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LETTERS TO THE EDITOR

Invasion

I read with interest "The Invasion God Stopped" (December). Although it might be comforting to ascribe divine intercession to the withdrawal of the Chinese forces from their farthest penetration into India in 1962, a more rational explanation can be found in another article in the same issue, "Danger At Our Doorstep." As America periodically intervened in Latin America to "protect its interest," so did the Chinese act to redress grievances and reestablish what they considered to be the status quo. To Western eyes, the Chinese annexation of Tibet and subsequent conflict with India appeared to be another example of the relentless aggression of what was then called "monolithic Communism." But, to the Chinese, their actions were more than justified as they restored control over a region that had been under their influence for centuries prior to the British legacy of artificial borders. Consequently, after decisively defeating the Indians, the Chinese simply withdrew to the ancient borders, which had been their objective all along. Chalk up one for historical lessons! While prayer might have helped the Indians, so would have the old adage, "Know your enemy."

*Maj. Doug Schott, USAF
Gettysburg, Pa.*

■ In reading this article, I believe that God must have been on the side of the West, not because of Chinese disbelief in God, but because China was driving India toward Western influence. It was better for China's and Russia's image to have India on their side, not opposed to them in front of all the neutral Third World countries. China made a mistake in invading India, realized it and withdrew.

*Charles H. Carey
Dade City, Fla.*

Bilingual

What a surprise it must have been to

Letters published do not necessarily express the policy of The American Legion. We reserve the right to select and excerpt letters for publication.

Sen. Walter D. Huddleston to learn in "Making English The Official US Language" (December) *Dateline*, that he is from Kansas, not Kentucky! However, the senator spoke out on an issue that is close to my heart. In some parts of the country, especially Florida, the schools are unofficially using the native language of Cuba [Spanish]. I believe in bilingual education but not at the expense of English taking a back seat. If these people are US citizens or only living here, they should be required to learn English.

*Opal A. Shale
Mt. Sterling, Ky.*

■ Hooray for Sen. Huddleston! I don't see our allies printing everything in bilingual language for our benefit, especially voters' pamphlets.

*G. R. Wade
Olympia, Wash.*

The Commander

Your message, "Renewing Our Resolve" (January) was excellent, and I'm sure many Legionnaires will read it with interest and appreciation. Our country appears to be under an unrelenting pro-Communist, anti-American barrage. Your message should help to counter some of the far-left sentiment that plagues our country. The Communists have boasted that they will bury us, and every action they take is proof that they will do just that. We must meet and win that challenge or perish.

*Ben L. Graves
Hemet, Calif.*

POW/MIAs

Let us help those who can't help themselves. During wars, our servicemen are told to hold their ground at any cost. When the wars are over, some of these men are left holding their ground as POW/MIAs or hostages. Those brave men did their jobs for their country. Now our country and government should do its job to bring them home. It is long overdue; they must not be forgotten. Speak up, America, and demand the return of our loved ones now!

*Edward Gregory
Shrewsbury, Mass.*

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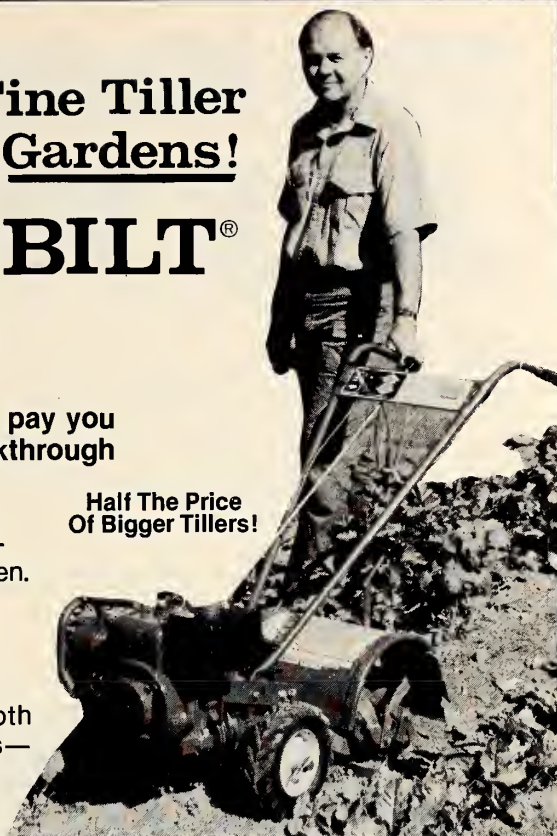
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The Nation's Defense: ARE WE READY?

“We cannot adopt the attitude that we now have ‘fixed’ readiness and can move on to other problems . . . We must continue to pay our readiness bills,” Secretary of Defense Caspar W. Weinberger told **THE AMERICAN LEGION MAGAZINE** in a recent exclusive interview. Here are his views on this and other national security concerns.



LEGION Magazine: Mr. Secretary, when you took office much concern was expressed about our state of military readiness. What have you been able to do about this situation?

Secretary Weinberger: In one of the first initiatives taken by this administration, we recommended, and the Congress agreed to, a substantial increase in the funds devoted to force readiness—\$3 billion more for Fiscal Year 1981 and \$9 billion more for FY 1982.

Already we have improved greatly the readiness of our forces. We have acquired critically needed spare parts, reduced repair backlogs and purchased essential tools and supplies.

Our initiatives to provide fair and competitive levels of compensation have raised the overall quality and experience level of the men and women in our armed forces. Bonuses targeted to redress specific skill needs have materially contributed to reducing shortages in key skill and leadership categories, and to retaining our career personnel.

Today's Guard and Reserve forces are in significantly better condition (than in 1980). At no time has the readiness of our Guard and Reserve been more apparent than by their participation in the Grenada rescue operation, and in Lebanon. For example, the first students out of Grenada were flown by the Air Force Reserve. The Army Reserve and the Air National Guard were directly involved. The Naval Reserve, in addition to supporting the Grenada mission, had one of their aircraft engaged in the initial evacuation of wounded American Marines from Beirut.

The Guard and Reserve do not have all the people or equipment that they need, but they perform magnificently with what they have. They have demonstrated time and again that they can and will perform as professionally as any other military force in existence.

Secretary of Defense Caspar W. Weinberger has served as chairman of the Federal Trade Commission, director of the Office of Management and Budget, counselor to the President and Secretary of Health, Education and Welfare. Leaving government for private business in 1975, he joined DoD in 1981.

Q: Then US forces have achieved the desired state of readiness?

A: Our readiness initiatives have yielded a 39 percent increase in the number of principal military units reporting fully ready or substantially ready. While we are gratified by the dramatic successes we have achieved over the past several years in restoring the readiness of US forces, we must remember that readiness is a perishable commodity.

We cannot adopt the attitude that we have now "fixed" readiness and can move on to other problems. Although we no longer need the large year-to-year percentage increases in readiness funding that were necessary in FY '81-'82, we must continue to pay our readiness bills to avoid slipping back into the dangerous posture of the recent past.

Q: How prepared, then, is the United States now to handle an overall war emergency?

A: We are making significant progress on a number of fronts as we continue to improve our mobilization planning and programs. My appointment of a new Deputy Assistant Secretary for Mobilization Planning and Requirements increases DoD's emphasis on military-mobilization planning, conventional-force-deployment planning and contingency-mission-resource-requirements development.

The Military Mobilization Working Group will continue its efforts to improve for deployment, identify the availability of resources to implement military mobilization and develop an improved system for military support to civil authorities. We will continue to test and improve our plans through mobilization exercises.

Q: The United States has a multitude of commitments to defend many areas of the world. Are our armed forces adequate to deal with more than one of these conflicts simultaneously?

A: To counter any military threat or combination of threats we need:

- (1) to be ready to fight and with qualitatively superior arms;
- (2) to be able to get to where the fighting is quickly; and
- (3) to be able to fight as long as is needed.

In other words, we need readiness, modernity, mobility and sustainability.

Years of underfunding readiness had left our forces unprepared to respond quickly and reliably in a crisis. Far too many of our active combat units were not ready for combat, including about one quarter of the Army's combat units, two-fifths of our major ships and one-third of our naval aviation squadrons. About one-quarter of Marine Corps ground units were rated as marginally ready to perform their combat missions. Training had also been cut back.

In the past three years, we have begun a major program to modernize our conventional forces, and our current five-year plan continues our commitment to provide up-to-date, capable systems to counter Soviet forces that are numerically superior and improving quantitatively.

Q: What about mobility of our forces?

A: While our force projection capabilities were substantial when this administration took office, they were insufficient to meet all potential deployment demands. We lacked the ability to move large forces quickly enough to deter Soviet aggression in distant regions outside NATO's boundaries. Nor could we deploy forces to two or more theaters simultaneously. Moreover, we lacked the ability to unload the full range of ships needed to move materiel into less developed regions.

Since 1981, our initiatives to improve our airlift and sealift capabilities and to pre-position additional materiel abroad have begun to redress these deficiencies. In January 1982, we announced a major airlift program calling for procurement of 50 C-5B and 44 KC-10 aircraft. In September 1983, we began a long-proposed program to enhance the capabilities of the Civil Reserve Air Fleet by adding cargo-convertible features to existing wide-bodied passenger aircraft in the fleet. These initiatives will, by 1989, increase our intertheater airlift capability by roughly 75 percent and more than double our ability to move outsized equipment by air.

Q: Will sealift capabilities be affected?

A: For sealift, the FY '83 budget began an expansion of the Ready Reserve Force from 44 to 77 ships, including 16 tankers. It also began a program to increase the contribution the US flag fleet could make to the movement of military equipment. The equipment purchased under this program will enable us to modify commercial container ships so that they can carry the full range of military cargo.

Finally, the FY '83 and FY '84 budgets expanded our NATO and seabased pre-positioning programs and accelerated an existing major seabased pre-positioning program for Southwest Asia.

In 1981, we not only found our forces unprepared to respond quickly in an emergency, but we also found they were not supplied to sustain operation for very long. Our stockpiles of munitions and secondary items were totally inadequate for combat operations.

We have addressed these critical deficiencies by funding large increases in this area over the past three years. When the munitions and secondary items procured by the FY '85 budget are delivered to the field, the administration will have increased stockage levels and other measures of sustainability almost 50 percent over the levels it inherited.

Q: Even with adequate arms, forces and mobility, can the United States defend the Free World alone?

A: The revitalization of our armed forces is only one way the defense program improves our ability to meet worldwide commitments. Another important element is security cooperation with friends and allies. Over the years, we have entered into eight defense treaties. The North Atlantic Treaty combines our forces with those of our 15 NATO allies; the Rio Pact and Panama Canal Treaty recognize our common defense interests with most of the American republics; the remaining five defense agreements reflect our security interests in East Asia.

The contribution of our allies to the defense of mutual interests is significant. For example, our European allies provide approximately 60 percent of the NATO active duty military manpower strength, just under 60 percent of the total ground combat capability and around 50 percent of the tactical combat aircraft and total tonnage of naval surface combatants and submarines.

Q: What is the greatest single need facing the armed forces now?

A: Our greatest need is to continue the military buildup of the past few years, to retain our resolve to revitalize our armed forces and to dedicate sufficient resources to this effort to guarantee the levels of readiness and sustainability needed to counter any threat, today and in the future.

Editor's Note: Total obligational authority for the Department of Defense for FY '84 was \$258.2 billion, with outlays year estimated at \$231.0 billion. This was 28.1 percent of total federal spending. DoD is now seeking authority for FY '85 of \$305 billion, an increase of 13 percent over current levels.

The Nation's Defense



Q: What effect will accelerated military spending have on the future shape of our armed forces?

A: Clearly one of the priorities of our current defense program has been increased funding for research and development efforts to improve existing weapon system capabilities and to develop systems to meet future threats to our security. As a result, we would expect to field ever more capable and superior systems.

In addition, the commitment of additional resources means that we will be able to support and maintain these systems, once deployed, at ever higher levels of readiness and sustainability. And, the increased salaries and benefits for our military personnel have helped us achieve adequate levels of manning after years of insufficiency.

All of this leads to the obvious conclusion that, if we sustain our current military buildup, we can be assured of the most capable, best supported armed forces in the world.

Q: During the 1980 election campaign, a public consensus seemed to prevail in favor of stronger defense and increased military spending. Where do you believe that consensus stands today?

A: I believe there continues to be strong support among Americans for a revitalization of our armed forces. The American public has indicated support for our current military operations in Lebanon as well as the recent rescue operation in Grenada.

There has been a dramatic reversal in the public perception of our armed forces, as is evidenced by the fact that recruiting objectives are now being met, manning levels are at their highest in years and reenlistments are up. We have demonstrated a national resolve not to back down in the face of terrorist hostilities. I truly feel the American public continues to support our efforts to commit the level of resources necessary to strengthen defense.

Q: Soviet Russia has been openly supporting the nuclear freeze movement and unilateral disarmament on the part of the West. Is this effort eroding Americans' support for our defense buildup?

A: It is not hard to understand Soviet support for the nuclear freeze. In a single stroke they could cut off our essential modernization programs for strategic deterrent

forces: the B-1 bomber, the Peacekeeper ICBM, the Trident submarine and the D-5 SLBM. Under a freeze we would be left with three-quarters of our strategic warheads on delivery systems over 15 years old. In contrast, the Soviets would begin a freeze with over three quarters of their warheads on launchers no more than five years old.

The American people are aware that the newest B-52 is over 20 years old and that the most recent Poseidon submarine was built more than 15 years ago. They also understand that the Soviet ICBM force now has the power to potentially destroy most Minuteman missiles in their silos, while our retaliating bombers would face the most extensive air defenses in the world. Widespread understanding of these facts has been at the heart of the broad base of support for the increased spending needed to meet our defense goals.

Q: In light of the federal government's unprecedented budget deficits and the many competing demands of our society, can we really afford current spending levels for defense?

A: The role of our armed forces is to preserve our national institutions and society as we know it. Determining the proper balance of necessary resources for that role has always been difficult, especially in these times of large deficits. Nonetheless, we could not continue to build ships, aircraft or weapon systems for which there were insufficient spare parts, inadequate levels of ammunition or ordnance and unsatisfactory manning levels. And, we could not ignore the implications of years of low levels of investment in research and development. It would be foolhardy to defer legitimate defense requirements until we achieve lower deficits. It is our belief that through stringent management of available resources we can meet the most critical needs of all segments of our government and do so without further aggravating federal deficit levels.

Q: Do you think the public would support higher taxes specifically to pay for higher military spending?

A: I cannot imagine a situation where taxes would be increased solely to accommodate increased military spending. Any decision to increase taxes should be made upon overall fiscal requirements for governmental operations, not linked to defense policy.

Q: What would you consider an optimum percentage of our Gross National Product for the defense budget?

A: While I feel it is relevant to consider the share of GNP devoted to defense, that does not mean to imply that there is some fixed share of GNP that should be devoted to defense. Rather, the share of GNP allocated to defense represents a weighing of our national resources, the threats we face, our commitments and our objectives.

If one measures the proposed defense buildup against GNP, one would find that relative to previous years' allocations of national resources, our current projections are neither large nor rapid. From 1954 to 1964, defense spending averaged 8.9 percent of GNP. In FY '83, defense outlays were about 6.3 percent of GNP. And, nowhere in our proposed defense buildup do we approach the levels experienced in the past.

Q: Since a peace-oriented democratic nation cannot hope to match the same proportion of wealth devoted to the military that a totalitarian state like Russia can, where do we stop?

A: Our goal is not to match Soviet spending, but the great disparity in our levels of defense investment

clearly depicts the challenge we face. While the Soviets have made great strides, both qualitatively and quantitatively, in the weapon systems they are fielding, we have maintained a technological advantage by emphasizing superior performance. Still, we must continue to increase our investment in research and development as well as procurement if we are to maintain this lead. We must provide the necessary levels of funding to insure that we are able to meet and defeat the challenges posed by the Soviet military buildup.

Q: What is being done about waste, fraud and abuses in defense contracting and procurement?

A: When we find instances of wrongdoing in the contractive and procurement process, we are seeking both legal and administrative remedies. Wide coverage has been given to several recent successes in criminal prosecution. Equally if not more important are the steps we have taken to improve the use of administrative remedies. Included are suspensions and debarments, recovery of funds and increased emphasis on defective pricing audits.

In July 1983, I issued a broad-based 10-point policy statement for improving the spare parts acquisition process. Our policies include incentive and disciplinary features, as well as proposals to alert contractors to the seriousness of the problem and call attention to the recourse available in recovering unjustified, excessive charges.

Editor's Note: *THE AMERICAN LEGION MAGAZINE* will report on waste, fraud and abuse in a coming issue.

Q: Do you see any real hope of ever getting Russia to agree to disarmament?

A: Despite the Soviets' recent behavior in key arms control negotiations, I am confident we will resume talks on conventional forces in Europe as well as nuclear weapons. I am hopeful that continued negotiations will result in significant reductions. Successful treaties imposing equal ceilings at reduced levels will provide a sound basis for even greater reductions in the future.

Q: Much has been said recently about President Reagan's so-called "Star Wars" speech. Do you feel that a space-based ballistic missile defense system can be built? Would it work, and can the US afford it?

A: In response to the President's Strategic Defense Initiative, which he began with his March 23, 1983, speech, we conducted several comprehensive studies. The Defensive Technologies Study, which was under the direction of former NASA Administrator Jim Fletcher, and which included over 50 of the nation's top scientific experts, addressed the questions you posed. That study concluded that "promising new technologies are becoming available that justify a major effort to develop future technical options to implement a defensive strategy."

The study further identified a research and development program that could ultimately lead to an effective defensive capability after the year 2000. I cannot overemphasize that we are embarking on a focused research and development program to answer just the questions you posed. We are not planning any immediate deployments. The research program represents a modest increase in funding for the relevant technologies. For FY '85, we propose to increase our current funding of \$1.8 billion by only 25-to-50 percent.

I expect that by the early 1990s this research program will have provided the answers to questions concerning the total costs, technical feasibility and performance of a comprehensive ballistic missile defense system. We have placed the highest priority on this research and development program.

The technical management will have full fiscal control and will report directly to me. As we proceed with this program, we will work closely with our allies to make certain that the Strategic Defense Initiative strengthens the security of our allies as well as our own.

Q: Finally, Mr. Secretary, is the All-Volunteer Force working, or do you foresee a need to return to compulsory conscription?

A: We see no need to return to peacetime conscription now or in the foreseeable future. Upon taking office, the President moved quickly to raise salaries [in the military] to competitive levels. With the help of Congress, we enhanced reenlistment bonuses, provided better recruiting incentives and improved the service member's quality of life.

There is overwhelming evidence that our efforts paid off. Not only are strength targets being met, but test scores and educational levels of new recruits exceed those of the civilian youth population. Reenlistments are reaching all-time highs; almost 68 percent of those eligible chose to reenlist in 1983, compared to only 55 percent three years earlier.

The selected reserve, in what was considered unthinkable a few years ago, now exceeds one million members—up almost 200,000 since FY '79. This is the highest since FY '61 and only 3,500 short of the FY '59 all-time high. Our young people again wear their uniform with pride.

We, of course, must learn from this experience, to avoid a repetition of the past. We must never forget that people are



Secretary of Defense Weinberger with *THE AMERICAN LEGION MAGAZINE*'s editor-in-chief.

our most valuable resource in the military. Tanks and planes simply won't work without people. We must insure that our military people receive fair and competitive compensation for the sacrifices they make.

We must continue our current high standards for enlistment of new people in the military. New weapons, although more capable than those they replace, are more complex and need bright, well-trained and experienced people to use and maintain them. We can't expect to realize the full potential of those expensive weapons without highly qualified people.

In sum, the future, while not without challenge, is encouraging and conscription will not be needed. We have shown that, with commitment, a volunteer system will work well. ■

WONDER WEAPONS

RIISING NEEDS, ROCKETING COSTS

By Philip C. Clarke

"The road to peace has never been through appeasement, unilateral disarmament or negotiation from weakness. The entire recorded history of mankind is precisely to the contrary. Among the great nations, only the strong survive . . ."

Supplement to Report of the President's Blue Ribbon Defense Panel, Sept. 30, 1970.

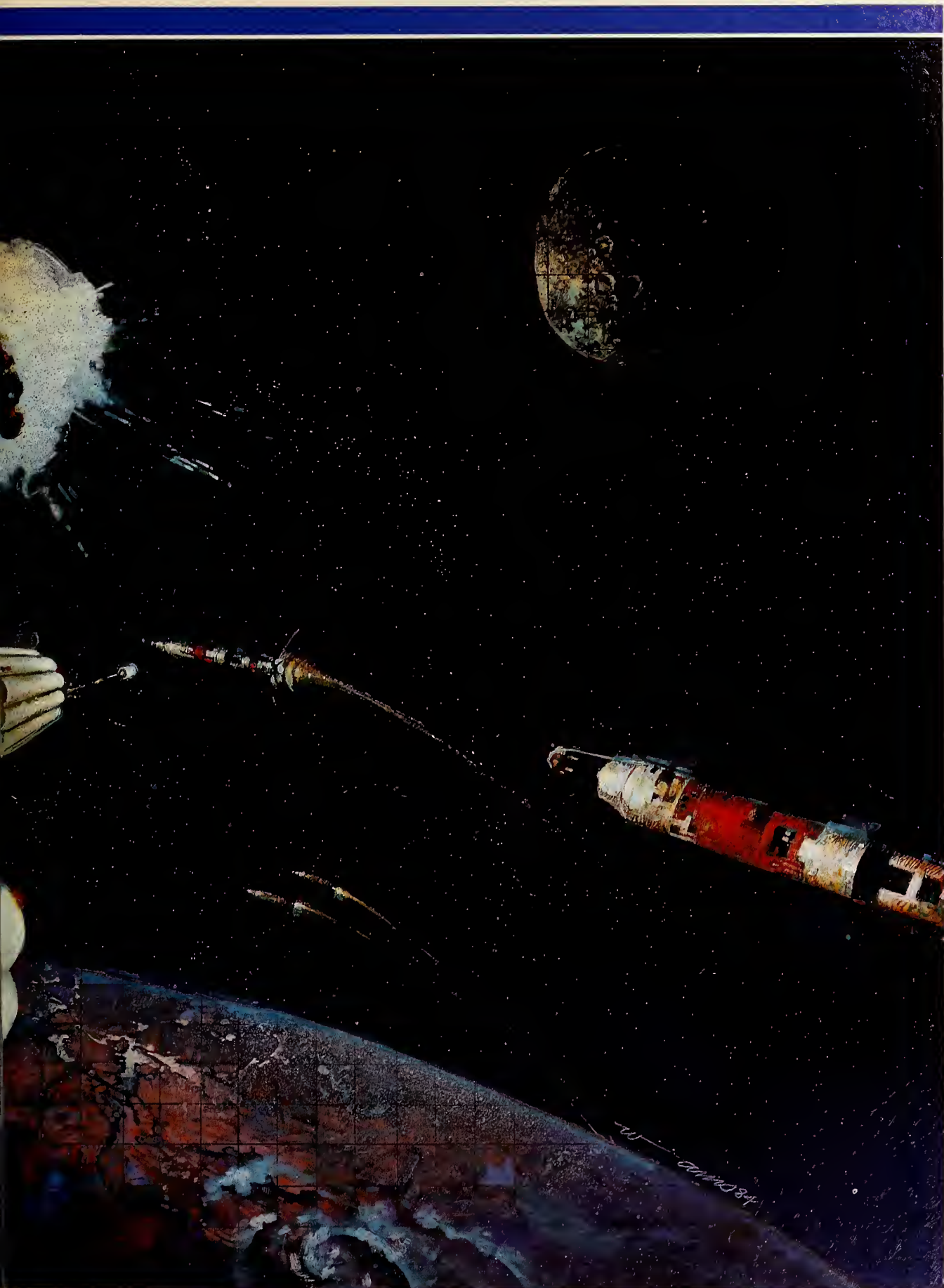
The secret Air Force test is like something out of "Star Wars." The scenario calls for an F-15 jet fighter to take off from a US base, zoom 18 miles high to the fringes of the atmosphere and launch an 18-foot missile at an "empty" satellite orbiting the earth at 17,500 mph. Boosted by a two-stage, solid-fuel rocket, the missile speeds toward its target at better than eight miles a second. Within infrared range, a non-explosive warhead smaller than a football, but loaded with electronics, separates from the missile and, aided by eight tiny telescopes in its nose, locks onto the target. Steered by 56 miniature jet thrusters and guided by a computerized laser gyroscope, the warhead smashes into the hostile satellite and destroys it.

So goes the planned test of America's first anti-satellite weapon—ASAT in military jargon. According to Dr. Thomas Karas of the Congressional Office of Technology Assessment, the ASAT system when ready will mean that any F-15 stationed anywhere can be converted into an anti-satellite fighter in about six hours.

All it takes, he says, is a special mounting kit and that 18-foot-long missile. Defense sources say the Pentagon hopes to have

Philip C. Clarke has covered the international scene since WWII as foreign correspondent and military affairs expert.





112 of the ASATs poised for deployment by 1987 at a cost of \$3.6 billion.

Due for a series of tests over the next several months, the ASAT is America's answer to a Soviet anti-satellite system that has been tested some 20 times in the past 15 years with increasing success. Although the Russians have a head start, their ASAT weapon is far less sophisticated than the US version—which may explain why Soviet President Andropov recently proposed a mutual ban on all weapons in space.

Weapons to zap enemy "spy-in-the-sky" or communications satellites are now an inevitable element in the superpower race. But space is not the only area of high-technology advancement.

Imagine, if you will:

- A jet fighter made largely of spun glass and plastic and virtually invisible to enemy radar. It's now being developed by the US Air Force, a companion to the "Stealth" bomber whose radar profile is under 1/100th that of the B-52. Plans call for 110 of the so-called Advanced Technology Bombers to be flying by the early 1990s, at an estimated cost of \$30 billion.

- A fighter-bomber that can suddenly move sideways without changing its flight path, turn without banking and climb without pointing its nose up—all while the pilot receives data by automatic voice control without having to glance at his instruments. That's not all: A sophisticated sighting device mounted on the pilot's helmet would enable him to acquire a target simply by looking at it! Science fiction? Not at all. These and other revolutionary avionics advances are being flight-tested, or soon will be, at Wright-Patterson AFB, Ohio.

- A Navy cruiser equipped with a computerized, radar-controlled missile defense system capable of constantly "seeing" in all directions, of instantly tracking up to 200 incoming enemy weapons simultaneously and zapping as many as 18 all at once. Called the Advanced Surface Missile System (ASMS), it's already aboard the USS *Ticonderoga*, first of a planned 27 Aegis-class cruisers designed to "defend the fleet against all threats—submarines, surface ships, airplanes and missiles." Each Aegis carries a crew of only 326, down from 1,626 on standard US cruisers.

- "Smart" battlefield mini-missiles, called "Wide Area Special Projectiles" (WASPs), which are so sophisticated that if two of the mini-missiles should

be fired at the same tank, one will turn away and seek another target. The electronic guidance system in another, new family of anti-tank weapons called "assault breakers" is so sensitive that a vehicle carrying the enemy commander could be picked out of a whole field of advancing armor by instantly analyzing its communications.

These are among the many dramatic, new, high-tech weapons systems now being developed or deployed to help defend America and its allies. A recent study by Forecast Associates, a Danbury, Conn., think tank specializing in aerospace and defense analyses, predicts that weapons such as these will, among other things, utilize our advanced high technology to redress the Warsaw Pact's 4-1 numerical advantage in combat armor.

"It will give NATO a real hope of stopping a massive Soviet attack in Europe without using nuclear weapons," said Edward M. Nebinger, Forecast's research director. "The scenario so far has been that we would be overrun unless the agonizing decision to use nuclear weapons is made. (But) as the new defense systems

"The ASAT is America's answer to a Soviet anti-satellite system that has been tested 20 times in the past 15 years ...

come together, they will enable a major shift to be made in NATO strategy."

The study, "Assault Breaker and the NATO High-Tech Revolution," foresees an investment of \$320 billion on the new weapons systems through 1992, including aircraft, helicopters, tanks and futuristic munitions and electronics. Many of the new weapons already are in production. Some were combat-tested by Israel in the fighting in Lebanon. Other systems are in ad-



Artist's concept of an Anti-Satellite Missile (ASAT) after launch from an F-15 Eagle aircraft, one of many "wonder weapons" currently considered essential to the nation's future defense.

vanced stages of development. They include:

- So-called "sub-munitions," typically hundreds of "smart" mini-bombs deployed by a single fighter plane and designed to home in on and destroy a number of enemy tanks in a single pass of the aircraft. Some of the "bomblets" can act as proximity mines, waiting for armored vehicles to pass close by before exploding. Others sense the approach of enemy tanks and automatically fire at them with guided "sub-missiles."

- Portable anti-tank weapons one man could carry and that are capable of knocking out the most heavily armored tanks in the Soviet arsenal. They will be available to NATO forces at platoon level this year.

- Rocket-assisted artillery shells with extra range and penetrating power to strike the enemy's rear supply areas.

- Remote-controlled aircraft for battlefield survey and for the destruction of enemy communications and other systems.

- Highly advanced electronics capable of giving individual commanders an instant situation report covering the entire battlefield.

- "Fuel-air explosive" airborne bombs, which when detonated produce a fuel-air mist which explodes with up to five times the equivalent power by weight of TNT. One such bomb, called "Daisy Cutter," weighs 15,000 pounds.

Analyzing the significance of the new weapons, Nebinger said: "We see a change in the art of defense, and an advantage for the West in being on the defensive . . . They (the Warsaw Pact forces) have the armor; NATO will have the defensive systems. This should offer comfort to the people of Europe."

The key to many of the high-technology weapons is the computer. New "supercomputers" will be able to digest billions of pieces of information flowing in from an array of sensors, sort it all out and develop an instant picture of the overall battle scene, firing the required munitions automatically in millionths of seconds. Some high-tech advocates predict that the new, computerized weapons systems will make the tank, as we know it today, obsolete in a decade, at least in major nations. Others foresee an end to the surface warship as a survivable element of warfare. One enthusiast likened the newly developed sensors to human eyes and ears, the computer to the brain and the precision bomb or missile to a boxer's fists.

On July 25, 1983, the US Air Force scored a major breakthrough in



Aquila, the Army's "eagle eye in the sky," is designed to seek, track and designate enemy ground targets by day or night.

space-based, defense technology. In a series of tests at the Naval Weapons Center range at China Lake, Calif., a "carbon dioxide, gas dynamic laser" mounted on a converted C-135 drone aircraft intercepted and disabled five Mach 2.5 Sidewinder air-to-air missiles fired at it from an A-7 Corsair II fighter-bomber.

The success followed a decade of intensive trial-and-error experiments by the Air Force, Navy and Army to develop an effective high-energy laser-beam weapon. There has been some progress in developing a ground-based laser weapon, but previous air-to-air intercepts had failed to immobilize the attacking missiles. This time, said the Air Force, the laser beam disabled the missiles' guidance system, sending them veering off target.

Presumably, the lasers could be installed aboard Air Force B-52s and on the B-1 bomber fleet when it comes along. Until now, the B-52 has been considered the weakest element in America's triad of strategic bombers, land-based Titan and Minutemen missiles and ballistic missile-launching nuclear submarines. But once armed with defense laser weapons, the bombers should be far less vulnerable to Russia's massive air defenses.

The technology has far wider potential in defending against Soviet nuclear attack. "The technology base established by these (airborne) experiments," said an Air Force statement, "will be applied to future laser development efforts." Such efforts undoubtedly will include the development of lasers in space, designed to knock out any Soviet ICBMs that might be launched against the US.

A recent report by the House Armed Services Committee said, "Technology breakthroughs in short-wavelength lasers could demonstrate the feasibility of a viable defensive system within five years." As a consequence, the Pentagon has switched emphasis from long-wavelength chemical lasers designed for close range tactical use in land, sea or air battles,

to visible ultraviolet short-wavelength lasers that could attack enemy re-entry vehicles in space. Unlike the chemical laser, which is created by combustion, the visible-ultraviolet laser is charged by electrical or nuclear energy.

Nonetheless, most scientists feel the actual deployment of space-based lasers and other exotic weaponry, such as charged-particle beams and microwave "ray guns," is still years, if not decades, away. Moreover, as a weapon, the laser is not without problems.

It must be focused directly at a target and remain on the spot of impact long enough to burn a hole through the protective shield. This takes about one second—an eternity to a weapon moving at many times the speed of sound.

Also, the earth's atmosphere tends to absorb energy from the beam, making it mushroom and lose intensity over long distances. Clouds, smoke and dust act to reduce the laser's effectiveness. Even these formidable problems may be overcome. Laboratories are developing lasers that can penetrate the atmosphere, or water, over distances of thousands of miles.

Under development is a cylindrical hydrogen fluoride laser for use in space, capable of emitting more than 10 million watts of laser light. The Lockheed Corp. is working on a device to pinpoint and hold a laser beam on a missile target 3,000 miles away and moving 12,000 mph. The Eastman Kodak Co. and other makers of optics are developing the means to produce the required laser-beam director from the laser and to create means to process and coordinate the immense volume of data needed to make each space-based anti-missile weapon work.

Meantime, a privately funded, space-defense project called High Frontier is gaining support for a proposed anti-missile system using conventional, off-the-shelf hardware. According to Lt. Gen. Daniel O. Graham, USA (Ret.), the project director, the first stage of the proposed three-layered defense system could be deployed within three to five years at an initial cost of \$15 billion.

High Frontier's first layer would use orbiting space "trucks" armed with infrared-directed projectiles that could automatically seek out and destroy Soviet ICBMs within seven minutes after being launched. A second defense layer would intercept any warheads that escaped, and a third (land-based) would guard key

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Can phonics solve the literacy crisis?

By Samuel L. Blumenfeld

Why can't Johnny read? Because we're not teaching him right, says this nationally known educator. Here's a look at the decades-old controversy and current efforts to resolve it.

According to Secretary of Education Terrel H. Bell, there are 23 million functionally illiterate adults in the United States. That is, one out of every five Americans cannot read, comprehend, write or compute well enough to enable him to cope with the demands of our technologically advanced society. Moreover, it has been estimated that 13 percent of all 17-year-olds are functionally illiterate.

We have the most extensive and best-financed system of public education in the world, as well as compulsory school attendance laws. Yet, each year, about one million high-school dropouts and pushouts join the ranks of the functionally illiterate. These, generally, are people who have had at least 10 years of schooling but can barely read at a third-grade level.

Is learning to read that hard? Educators are divided. What is certain, however, is that the reading instruc-

tion methods used in most of our schools today have been labeled inadequate by a significant number of critics. This battle has been going on for decades.

Most Americans first became aware that there might be reading-instruction problems in our schools in 1955 when Rudolf Flesch's book, *Why Johnny Can't Read*, was published. Flesch explained to a somewhat baffled public why he thought an increasing number of primary-school children were having serious problems learning to read, problems that parents had begun to notice and complain about in the 1940s.

The author pulled no punches in stating what he viewed as the cause of the problem:

"The teaching of reading all over the United States, in all the schools and in all the textbooks, is totally wrong and flies in the face of all logic and common sense.

Flesch then explained that, from about 1925 to 1950, beginning reading instruction in American schools had been radically changed by professors of education. Written English was no

longer being taught as a sound-symbol, alphabetic system with a small number of phonograms representing the sounds of the spoken language, but as an ideographic system, like Chinese, where every word is a little picture or collection of little pictures representing ideas, emotions, actions and things.

The "new" method was based on an experiment conducted in 1885 by an American psychologist, James McKeen Cattell. In his experiment, Cattell "discovered" that adult readers read words as whole units, or total word pictures like Chinese symbols. If that's the way adults read, he reasoned, why not teach children to read total word pictures from the very beginning?

What Cattell failed to realize was that an adult reader recognizes the letters in words so quickly that it only *seems* as if he is reading them as units. Indeed, a student had first to learn the letters and the sounds they represent before he could become a proficient reader. What Cattell had confused was the way adults

Samuel L. Blumenfeld has written five books and numerous magazine articles on education. He is chairman of the National Council for Better Education.

read and the way they learned to read.

Also, Cattell's idea was not new. The whole-word method of teaching reading had been invented in the early 1800's by Thomas H. Gallaudet, founder of the Hartford Asylum for the Deaf and Dumb. Gallaudet thought that he could apply to children with normal hearing some of the techniques used in teaching deaf-mutes to read.

Since most deaf-mutes have no conception of a spoken language, they were taught to read purely by a "sight" method consisting of pictures and whole words. Thus, as far as the deaf pupil was concerned, the written language directly represented things, ideas, emotions and actions, and not sounds made by the tongue and vocal chords.

Gallaudet

thought that such a method might work even better with children who could hear.

In 1835, Gallaudet published his *Mother's Primer*, the first whole-word primer to appear in America. Its first line reads: "Frank had a dog; his name was Spot." In 1836, the Boston Primary School Committee decided to try Gallaudet's primer on an experimental basis; in 1837, it officially adopted it for use in Boston primary schools.

Seven years later, the decline in reading skills among students was so much in evidence that a group of Boston schoolmasters published a blistering critique to the new method. Boston schools got rid of it and went back to alphabetic phonics.

But the deaf-mute method was not entirely discarded. It was kept alive in the new state-owned teacher colleges—or "normal" schools as they were then called—until it could be brought back by a new generation of educational reformers.

These new reformers began to assert their influence in the early 20th Century, despite a warning that their "new" teaching method could cause reading problems. Dr. Samuel T. Orton, a neuropathologist, published an article in the *Journal of Educational Psychology* in February 1929, reporting that many children could not learn to read via the new "whole-word," or "look-say," method. He warned the educators that their "look-say" method "may not only prevent the acquisition of academic education by children of average capacity but may also give rise to far-reaching damage to their emotional life."





Intensive remedial-reading instruction blossomed in the 1940s, as casualties of the "look-say" method mounted. Simultaneously, America first became aware of the "drop-out" problem, as students despaired of ever being able to learn to read.

Orton had discovered this in the 1920s while investigating cases of reading disability in Iowa, where the method was widely used. The reformers, however, were not dissuaded, and they proceeded with the new reading programs. Ironically, they later made use of Orton's own medical diagnoses and terminology to identify what was wrong with children having trouble learning to read. But they never admitted that the look-say teaching method might be the culprit.

Meanwhile, their reading programs became commercially successful as, virtually overnight, whole school districts threw out their old books and switched to *Dick and Jane*, *Alice and Jerry* and other whole-word textbooks.

By the 1940s, however, the new method's negative effects were evident. Schools everywhere were setting up remedial reading departments and reading clinics to handle thousands of children with reading problems. In fact, remedial teaching has blossomed into a new educational specialty with its own professional status.

Researchers, seeking the causes of the increasing reading disability, began to develop a lexicon of terms to deal with this previously unknown problem: "congenital word blindness," "word deafness" and a host of others.

With the boom in remedial teaching also came the creation of professional organizations to deal with it. In 1946, the National Association for Remedial Teaching was founded, and, two years later, the International Council for the Improvement of Teaching Instruction.

These were later consolidated into the International Reading Association.

Today, the latter association has 65,000 members, publishes four journals and holds many regional conferences as well as one huge annual convention that draws as many as 13,000 persons. These conventions provide both authors and publishers with convenient access to a very large and lucrative market.

In 1965, Congress passed the Elementary and Secondary Education Act with its now-famous Title I compensatory education program. It was hoped that the Title I bonanza would wipe out the reading problem.

Ten years later, the disappointing results could be read in newspapers from New York to California, reporting the disastrous decline of reading scores.

As for Scholastic Aptitude Test (SAT) scores, they were in an alarming nosedive. The *Boston Globe* of Aug. 29, 1976, described reading, writing and computational skills of American students as being in "a prolonged and broad-scale decline unequaled in US history."

What went wrong? The federal money paid for lots of new books and equipment, and thousands of new reading specialists. *But Title I never addressed teaching methods.* No federal experiments or studies had been conducted to see which method worked best. More money, therefore, did not mean an improvement in reading instruction. It simply meant getting a lot more of what they already had.

The apparent failure of Title I to improve reading skills did not go

entirely unnoticed. In 1969, the National Academy of Education appointed a blue-ribbon Committee on Reading to study the nation's illiteracy problem and recommend ways of solving it. In its report issued in 1975, the committee had this to say about Title I:

"It is not cynical to suggest that the chief beneficiaries of the Elementary and Secondary Education Act (ESEA) have been the members of school systems—both professional and paraprofessional—for whom new jobs were created. Seven years and as many billion dollars later, the children of the poor have not been compensated as clearly as the employees of the school systems through this investment."

The committee recommended a rather radical idea, a sort of "reading stamps" program: the use of vouchers with which students could purchase reading instruction from competent public or nonpublic sources. The committee further said:

"We believe that an *effective* national reading effort should bypass the existing education macrostructure. At a minimum, it should provide alternatives to that structure. That is, the planning, implementing, and discretionary powers of budgeting should not rest with those most likely to have a vested interest in maintaining the status quo, especially given their unpromising track record."

It was the first time that a committee of educators actually had alluded to vested interests blocking educational improvement. What the committee appeared to say, in effect, was that the greatest obstacle to literacy in America is our own educational establishment, and that if we want to achieve real education in our country, we shall have to circumvent it.

Actually, the US commissioner of education had tried to do something like that in the 1970s with an ambitious program called "Right-to-Read." The idea was to mobilize a nationwide effort to eliminate illiteracy in 10 years. That program also failed because it too couldn't address teaching methods. The program quietly folded in 1980.

Why has the problem persisted for so long? Why hasn't it been possible to prove one way or another that phonics is superior to "look-say" in beginning reading instruction, or vice versa? Many professors of education insist that there is no one method which is

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MONEY is not the Answer

A broad national consensus has developed in the last few years that the No. 1 problem in America's educational system today is a lack of quality. We know that the skills and knowledge of students at many of our schools, when measured by virtually any standard, have deteriorated appallingly. Students who can't read, employees who can't communicate and teachers who can't teach are matters of growing concern.

There's no shortage of suggestions as to what ought to be done. Some believe that the virtual monopoly of the public schools is responsible for our present educational situation. Others feel that stricter classroom discipline is advisable. Still others think that the policy of "perpetual promotion," under which most children are promoted to the next higher grade at the end of each school year, regardless of their ability to master the previous grade's curriculum, is to blame.

Many believe that federal action is needed—but the record belies that assertion. Only a few, small federal education programs existed 30 years ago; now, there are nearly 100 federal educational programs—and the excellence that once distinguished American schools is a thing of the past.

The appeal for more money for education similarly suffers when compared to the record. Americans, we hear, are getting the kind of schools they're paying for, and they won't get better schools until they're willing to tax themselves more

By George C. Roche III

heavily for education. However, a careful look at the facts of the last 30 years indicates otherwise:

- Spending by all US educational institutions, measured in constant dollars, rose 400 percent while enrollment grew only 80 percent.

- Spending per student, measured in the same dollars, nearly tripled.

- The educational component of GNP doubled while the personal needs of the average family remained constant.

- Public-school employment grew 227 percent, class sizes shrank and the ratio of employees to students almost doubled.

- Average annual compensation per full-time educational employee grew 56 percent, compared to the 45 percent growth experienced in business.

- Public education productivity dropped 45 percent, while it grew 90 percent in business.

Clearly, the appeal for more money doesn't stand up. Neither do appeals for more and higher-paid teachers and even smaller class sizes.

To find a true solution to our "quality dilemma," we must first look at our educational environment. No other country in the world has tried to educate all children up to age 18 in the same schools and in the same

classrooms. In most European countries, including the Soviet Union, a child attends elementary schools for four or five years and then moves into one of several types of secondary schools, depending on his or her individual intellectual capacity and aspirations. While the European system may not be entirely appropriate for America, it nonetheless seems proper that we study these systems to learn if some of their features might be adapted to American use.

I'm not suggesting any particular solution. What I'm saying is that we know that intelligence, drive and other characteristics differ from student to student, and what we need to do is to learn how we best can educate children of widely differing capacities and interests.

We don't expect all children of a given age group to jump a hurdle of uniform height; whatever height we chose would be too high for some, too low for others. Likewise, we need not one common curriculum, but an institutionalized system of curricula that fit children of varying intellectual capacities.

Unless we—you and I, our local school boards, our legislators and the federal government—all recognize our sons' and daughters' unique individuality and design an educational structure that accommodates them, all the recommendations of each of the recent rash of reports on the topic will amount to nothing more than further wastes of time, money and effort.

America in its third century faces a world economy based more on the products of the mind and less on the products of the hand and the soil. Nothing is as critical today as how well we train those who will lead us tomorrow. ■

A nationally known educator and author, George C. Roche III is president of Hillsdale [Mich.] College and chairman of the National Council on Educational Research.

WELCOME to the World of Advertising

By Richard L. Gordon

Makers of everything from aspirin to zippers spend \$85 billion a year persuading you to buy. It's a "good-news" business that's an indispensable service in a society that prides itself on freedom of choice.

As the drama of the 1984 Olympics unfolds on American TV screens, a related competition is taking place off the playing fields and in living rooms around the US: the battle of TV commercials. National pride may not be at stake, but big dollars are.

K-Mart Corp., for example, is spending \$20 million for national TV time to advertise its stores during the Olympics. When the cash registers stop ringing at the ABC television network, which is broadcasting both the Winter and Summer Games, advertisers are expected to have spent \$625 million. ABC's national advertising minutes in the summer games, which start in July, were 98 percent sold out before the close of 1983.

Richard L. Gordon is senior reporter in Washington for Advertising Age, the advertising industry's leading independent newspaper.

The multimillion dollar Olympics advertising push is just one example of the round-the-clock struggle by advertisers to catch the eye of the US consumer. "It's everywhere," said American Assn. of Advertising Agencies president Leonard S. Matthews. "There's almost no way to escape advertising. It's part of the American scene. Today, the average American consumer is exposed to almost 2,000 commercial messages a day in all media."

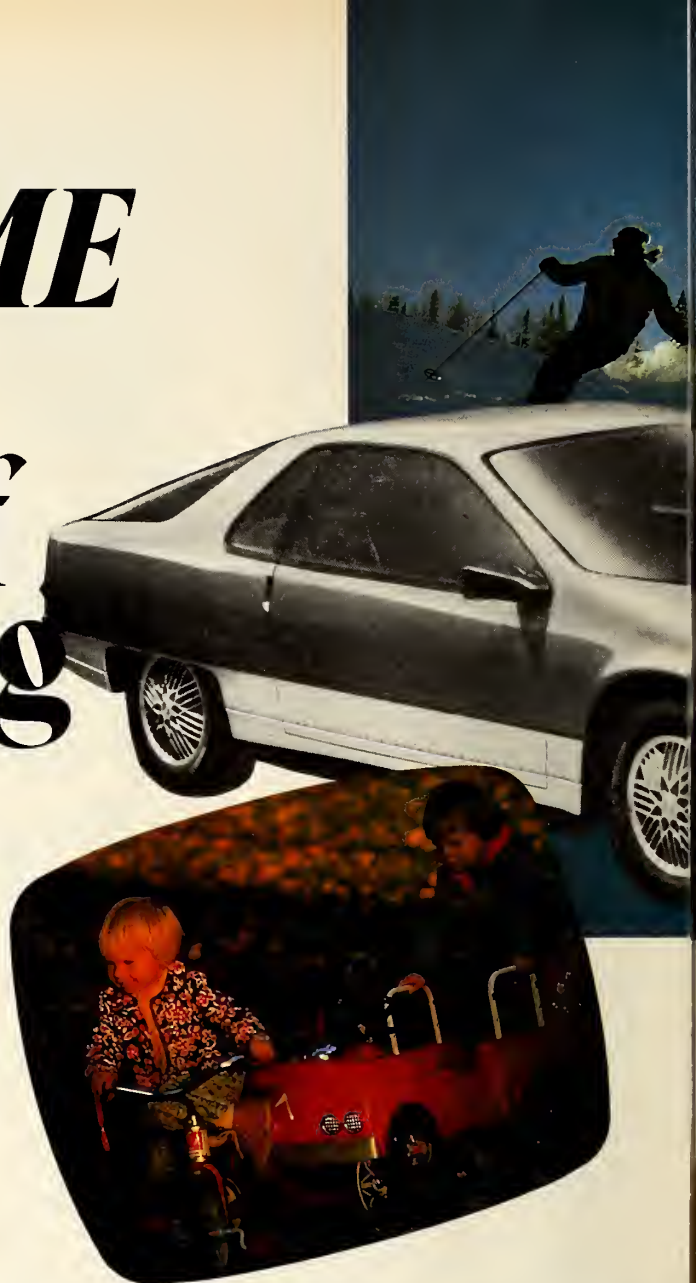
That tidal wave of ads—on TV and radio, in newspapers and magazines, in your mailbox and on outdoor billboards, to name just the major ad media—will cost advertisers \$85 billion this year, according to industry forecasts. It represents 2 to 3 percent of the entire US gross national product.

Submerged in this sea of advertising, many consumers question whether all that money is really worth it. They even hold the people who

make advertising in disdain. When the Gallup Poll last year asked a national sample of Americans to rank the business and ethical standards of people in 25 different occupations, "advertising practitioners ranked 24th. Only car salesmen were held in less repute."

Yet TV commercials often not only woo consumers to buy. They're also a smash hit as mass entertainment. Seventeen million households tuned in to 1982's "TV's Greatest Commercials" special on NBC. Last November, another NBC special on TV's greatest commercial bloopers drew an even bigger audience and was the most heavily watched TV show of the week.

The public's love-it/loathe-it view of advertising, and what to do about it, has perplexed advertising industry people for years. Public distrust of ads and ad people continues; even so, most law enforcement observers believe the accuracy and honesty of national advertising have sharply improved since





the early 1970s. At that time, with some major companies under Federal Trade Commission attack for deceptive ad practices, advertisers and agencies responded by launching a highly regarded self-regulation program through the National Council of Better Business Bureaus. The CBBB's National Advertising Division, in New York City, has investigated hundreds

of complaints about ads, some from consumers but most filed by advertisers questioning the claims made by competitors.

More difficult to control are ad abuses by local stores, businesses and mail order firms. There always are mail order promoters touting an unending array of miracle diets, hair restorers, bust enlargers and get-rich-quick schemes.

What is the case for advertising? When it works—when the product has consumer appeal, when the advertising is persuasive and holds the consumer long enough to deliver the “news,” when it’s priced attractively—it moves goods. Ads can move goods in big volumes, and that brings down the cost of producing each product. The savings, theoretically at least, are shared with consumers in the form of lower costs.

One study of the impact of advertising on the toy industry is cited to show

what can happen. Written by a toy company president turned marketing professor, Robert L. Steiner, it sets the birth of the toy marketing revolution to the day in 1955 when Mattel Co. bought advertising time on the Mickey Mouse Club to advertise nationally a toy gun. “Results were astonishing!” Steiner wrote. “The sudden surge of consumer demand from the television commercial cleared retail shelves well before Christmas.”

Toy advertising, then not a major part of the American scene, boomed in the 1960s, hand in hand with the rise of the “discount” store. While advertising indeed was a new expense to be added to the cost of manufacturing toys, it was more than outweighed by retailers cutting their profit margins.

“Discounters discovered that toys, especially the heavily televised ones, turned over so rapidly that they could be sold profitably far below the traditional toy retail markup. A discounter

World of Advertising



might put an everyday price of \$3.49 on a \$5 toy," said Steiner. "Beyond that, mass merchants found, especially at Christmas time, that a newspaper ad offering the toy at \$2.99 drew huge crowds of toy shoppers into their stores."

The three elements in the toy marketing revolution singled out by the study were manufacturers' television advertising to children, retail newspaper cut-price advertising to parents and mass merchandising.

Does advertising always work? Hardly. The marketplace is littered with expensive product failures every year—more failures than successes, most ad people will admit. Top-notch ads can't help a product idea that doesn't click with consumers or live up to its claims.

Ad agency association president Len Matthews, recalling some of the surprises in his career, remembered a great cake mix "breakthrough" developed by then-client Pillsbury: a mix so complete that it needed only water. All the other ingredients were already included. To everyone's amazement, "We couldn't sell it," Matthews said. "We did some research, and we found women thought it was too good to be true. We overlooked the fact that women who bake cakes want to put something of themselves into the making."

"We took the egg out, and gave the consumer the opportunity to add both water and a fresh egg," he said. "Then the product did fine."

Major advertising agencies can

lavish days, and tens of thousands of dollars, getting just the right 30 seconds of film or videotape for a single commercial. Similar creative sweat goes into producing the best radio and print ads.

Advertising professionals have said that among the best ads of the past have been for the Volkswagen "bus," the Marlboro man, McDonald's, Miller beer and Crest toothpaste.

Many of the "worst" campaigns mentioned are harder to recall. The products they promoted have vanished (like the Edsel) or been eclipsed by competitors (like A&P food stores).

Whether it succeeds or fails, advertising is meant to "pre-sell" the consumer. It is the essential ingredient in the modern American mass distribution system. It helps auto salesmen by bringing prospects in the door. For grocery store items and thousands of other "packaged goods," advertising and eye-catching packaging has replaced the sales clerk entirely.

Do consumers really benefit from advertising? Economists differ, and even advertising's defenders don't claim that ads always result in lower prices or increased competition.

Some see advertising in a hostile light. Among these critics, advertising is "wasted" money since it either promotes products that are needed, and would be bought anyway, or products that are frivolous. In that view, advertising simply adds to the cost of consumer products without providing any benefit. In some cases, this argument goes, advertising can do more harm than good.

Advertising has also had its share of government critics in the past two decades. In the 1970s, the Federal Trade Commission seriously studied a ban on TV advertising directed to children. An FTC antitrust suit against four major breakfast cereal companies, eventually dismissed, theorized that heavy advertising for those products was actually "anti-competitive" because it discouraged new companies from entering the field. Today, anti-alcohol groups continue to ask for a ban on TV advertising of beer and wine.

Countering that trend, the US Supreme Court in the 1970s reversed 30 years of thinking about advertising's place in US society. In a series of decisions, the court ruled that truthful ads are "speech," protected by the Constitution's First Amendment. Government agencies like the FTC can still prohibit deceptive ads. However, federal or state officials no longer can censor truthful ads for vague policy reasons.

The ruling has meant that states no longer can bar pharmacists from advertising prescription drug prices or prohibit lawyers from advertising their fees. It also has protected the rights of legal abortion clinics to advertise and barred the Postal Service from refusing to deliver contraceptive ads in the mail.

The toy industry experience is evidence of the impact television advertising has had on US marketing. In barely 30 years, TV eclipsed radio and the print media as advertisers' major outlet in trying to reach a mass, national audience. It also has contributed to raising consumer annoyance levels.

AAAA president Matthews said much of the public's unease with advertising is due to television. "The very thing that makes television advertising effective is its intrusiveness," he contends. "But it's the intrusiveness that makes advertising that much more abrasive. If you're sitting in your den and a commercial comes along that you think is terrible, or offensive, you tend to watch it."

Matthews, a former president of Young & Rubicam, a large ad agency, has taken on the task of trying to improve advertising's public image. He sees the problem as having three causes. First are indirect factors that influence the public: how TV shows, movies and books depict the advertising business.

"The businessman is rarely a hero in TV or the movies," he observed. "Remember the TV series, 'Bewitched'? The husband was an ad man and most plots involved his boss trying to get him to do something unethical. There are also books about advertising that popularize the notion of advertising as consumer manipulation," he said. The foremost of these is Vance Packard's *The Hidden Persuaders*, first published in 1957 and recently reissued.

Packard and other authors wrote about ad consultants who claim to have unlocked the mysteries of psychological "cues" that give advertising the power to trigger purchasing decisions in consumers. The notion that advertisers are placing hidden messages is a theory that refuses to die.

In 1957, a research executive flashed a 1/3000th of a second message on a movie theater screen urging patrons to "eat popcorn" and "drink Coca-Cola." A horror movie producer hyped his newest feature by claiming the word "blood" was flashed on the screen at very high speeds to heighten

emotion. A Los Angeles TV station flashed "drive safely" on the screen during its new programs. According to ad industry officials, there's never been any evidence that these and a handful of other attempts had any success at changing human behavior.

Another cause of advertising's problems with the public is the industry's own creative shortcomings. "There are the stereotypes that we ourselves have created," Matthews said. "The housewife who is ecstatic about the whiteness of her laundry . . . the stereotyped father who is the dunce of the family. If I could find a commercial that didn't have a father named Harry, I'd be delighted."

Advertising too often copies itself. "There aren't many new ideas, any more," Matthews said, "Even what we look at as fine ideas are often new forms of old ideas. There's nothing wrong with copying the past. The trick is choosing what to copy. If we can just get rid of that category of ads the people say 'insults my intelligence'."

His third point is one that should please TV viewers: too much advertising crammed into TV programs is not good for viewers or for advertisers. Advertisers not only fear that such clutter annoys viewers, but that it also reduces the effectiveness of their messages as well.

Some experts say part of advertising's image problem may be that consumers expect too much. After all, ads first serve the advertiser who buys the ad, and then the consumer.

S. R. Bernstein, former *Advertising Age* editor and publisher, warned in an essay in that publication that consumers are wrong if they think advertising should be impartial and unbiased. The purpose of advertising, he wrote, is to present the advertiser's story "as alluringly as possible, without overstepping the bounds of honesty, truthfulness and good taste . . . not merely to catalog goods or services, nor to present them with a listing of their good points and bad, but to promote them so as to make them seem not only worthwhile but indispensable."

Consumer Federation of America legislative director David Greenberg agrees that consumers must recognize the limits of advertising. "There's never sufficient detail, objectivity or information for people to feel confident. It doesn't do the same kind of thing for people that reading *Con-*

sumer Reports does."

But nobody has time to be a full-time consumer. Advertising is productive to the extent that it brings products to your attention that you didn't know about. There are probably products that do wonderful things that consumers might not have heard about but for advertising."

This role of advertising as the bearer of "good news" for Americans struck historian Daniel J. Boorstin

when he wrote recently about advertising's role in American life. "Ads," he said, "are also a 'symbol of voluntariness' in our society."

"It is an educational device to provide opportunities for freedom of choice," he wrote. "Advertising obviously is futile and superfluous where there is no opportunity for choice of product or attitudes. The flourishing of advertising then is a clue to the increasing opportunities for choice." ■

'Public Service' Advertising Was Born Of WWII Necessity



The Japanese attack on Pearl Harbor was a turning point for America; it also was a turning point for American advertising. For the first time, the US ad industry turned its communications skills to non-commercial campaigns and set the pattern for what has become "public service" advertising.

Organized as the War Advertising Council in December 1941, advertisers, ad agencies and the media placed their skills at the service of the government. Soon, ads promoting the conversion of industrial production appeared and then ads for War Bonds. Advertisers, who had little to sell to consumers, bought advertising time and space for these public service messages. In return, they received

a credit line which kept their names before the public.

More than 100 home-front ad campaigns were produced by the Council before the war ended, including "Careless Talk Costs Lives," V-Mail, victory gardens and homes for war workers. Two of those wartime campaigns—Red Cross and forest fire prevention—continue to this day under the permanent Advertising Council created to handle public service assignments after the war. US Savings Bonds, the successor to War Bonds, likewise remains an Ad Council campaign.

The war established the power of advertising when it was turned to social issues from selling soap. In the postwar years, public service advertising has become a major communications tool for countless government and civic organizations. Media donate time and space to the campaigns. In 1982, the Ad Council said, the media donated more than \$600 million in advertising time and space to its major public service campaigns.

The Ad Council, which draws on donated skills of top advertising agencies and advertisers, remains the best known producer of public service campaigns. Its president, Robert Keim, was a young employee at New York's Compton Advertising agency when he joined the Army Air Corps in 1941. As a major in the postwar Air Force, he worked with the Ad Council on its Operation Skywatch ground observer corps campaign, then joined the Council full time.

Ad Council campaigns now running include ads for the National Committee for Employer Support of the Guard and Reserve. Other campaigns raise money for higher education, create public awareness of the problem of child abuse, promote crime prevention, and publicize the need for citizen action to curb drunk driving. ■

Lady Plugs In Zoysia Grass Saves Time, Work & Money

FREE! UP TO 1000 PLUGS!

By Jack T. Johnson
Agronomist



Every year I watch people pour time and money into lawns that fail them just when they want their lawns the most.

I see them reseed, feed, water, weed and mow, mow, mow! When it turns to hay in mid-summer, I feel like calling out, "For Heaven's sake, when are you going to stop throwing money away and switch to Amazoy Zoysia Grass?"

In comparison, I'm always happy to get letters from people who have plugged in my Amazoy Zoysia Grass, because they write to tell me how beautiful their lawns are even in midsummer heat and drought.

"MOWED IT 2 TIMES," WRITES WOMAN

For example, Mrs. M. R. Mitter writes me how her lawn "...is the envy of all who see it. When everybody's lawns around here are brown from drought ours just stays as green as ever. I've never watered it, only when I put the plugs in... Last summer, we had it mowed (2) times. Another thing, we never have to pull any weeds—it's just wonderful!"

Wonderful? Yes, Amazoy Zoysia Grass IS wonderful! Plant it now and like Mrs. Mitter you'll cut mowing by 1/3... never have another weed problem all summer long the rest of your life!

And from Iowa came word that the State's largest Men's Garden Club picked a Zoysia lawn as the "top lawn—nearly perfect" in its area. Yet this lawn had been watered only once all summer up to August!

PERFECT FOR SLOPES

If slopes are a problem, plug in Amazoy and let it stop erosion. Or plug it into hard-to-cover spots, playworn areas, etc.

WORK LESS • WORRY LESS • SPEND LESS

• Easy To Plant, Easy To Care For

• Perfect For Problem Areas

Your Established Amazoy Lawn...

• Reduces Mowing 1/3

• Stays Green Through Droughts

• Resists Blight, Diseases, And Most Insects

• Won't Winter Kill

• Laughs At Water Bans

No Need to Rip Out Present Grass • Plug in Amazoy!

FREE PATENTED STEP-ON PLUGGER, AVAILABLE EXCLUSIVELY FROM AMAZOY. FREE WITH ORDERS OF 1000 PLUGS OR MORE.

A growth-producing 2-way plugger that saves bending, time, work. Cuts away competing growth at same time it digs holes for plugs. Invaluable for transplanting. Rugged yet so light a woman can use it.

Just set Amazoy plugs into holes in ground like a cork in a bottle. (Plant 1 foot apart, checkerboard style.) Easy planting instructions with each order.

Order now for your Bonus Plugs Free, and earliest delivery at correct planting time in your area.

All orders sent shipping/handling charge collect, via most economical means.

Not available in Wash. and Oregon states.

CUTS YOUR WORK, SAVES YOU MONEY

Your deep-rooted, established Amazoy lawn saves you time and money in many ways. It never needs replacement... ends re-seeding forever. Fertilizing and watering (water costs money, too) are rarely if ever needed. It ends the need for crabgrass killers permanently. It cuts pushing a noisy mower in the blistering sun by 1/3.

WEAR RESISTANT

When America's largest University tested 13 leading grasses for wear resistance, such as foot scuffing, the Zoysia (matrella and japonica Meyer Z-52) led all others.

Your Amazoy lawn takes such wear as cookouts, lawn parties, lawn furniture, etc. Grows so thick you could play football on it and not get your feet muddy. Even if children play on it, they won't hurt it—or themselves.

CHOKES OUT CRABGRASS

Thick, rich, luxurious, established Amazoy grows into a carpet of grass that chokes out crabgrass and weeds all summer long. It will NOT winter kill. Goes off its green color after killing frosts. Begins regaining its green color at the time when the temperature in the spring is consistently warm. This, of course, varies with climate.

NO NEED TO RIP OUT PRESENT GRASS

Now's the time to order your Amazoy Zoysia plugs—to get started on a lawn that will choke out crabgrass and weeds all summer long and year after year.

Plug it into an entire lawn or limited "problem areas." Plug it into poor soil, "builder's soil," clay or sandy soils—even salty, beach areas, and I guarantee it to grow!

Your Own Supply of Plug Transplants

Your established Amazoy lawn provides you with Amazoy Zoysia plugs for other areas as you may desire.

NEW LOW PRICE

EVERY PLUG GUARANTEED TO GROW
In Your Area • In Your Soil

- **AMAZOY WON'T WINTER KILL**—has survived temperatures 30° below zero!
- **AMAZOY WON'T HEAT KILL**—when other grasses burn out, Amazoy remains green and lovely!

Every plug must grow within 45 days or we replace it free. Since we're hardly in business for the fun of it, you know we have to be sure of our product.

PLUG AMAZOY INTO OLD LAWN, NEW GROUND OR NURSERY AREA

Just set Amazoy plugs into holes in ground like a cork in a bottle. Plant 1 foot apart, checkerboard style.

When planted in existing lawn areas plugs will spread to drive out old, unwanted growth, including weeds. Easy planting instructions with order.

NO SOD, NO SEED

There's no seed that produces winter-hardy Meyer Z-52 Zoysia. Grass and sod or ordinary grass carries with it the same problems as seed—like weeds, diseases, frequent mowing, burning out, etc. That's why Amazoy comes in pre-cut plugs...your assurance of lawn success.

FREE! UP TO 1000 PLUGS

Just for Ordering Now!

More than a HALF BILLION of our Zoysia plugs have been sold. Our Early Bird Bonus Plug Offer means clear savings to you. Order now—don't take another chance with lawn disappointment. And remember: If it isn't AMAZOY, you're not getting the plugs that made Zoysia famous.

To: Zoysia Farm Nurseries, Dept. 665
(Our 29th Year) General Offices and Store
110 Painters Mill Rd., Owings Mills, MD 21117
Please send me guaranteed Amazoy as checked below:

02C-1

☐ 50 PLUGS Plus Bonus of 15 FREE TOTAL 65 PLUGS \$185	☐ 100 PLUGS Plus Bonus of 35 FREE TOTAL 135 PLUGS \$345	☐ 100 PLUGS & PLUGGER Plus Bonus of 35 FREE TOTAL 135 PLUGS \$645	☐ 200 PLUGS Plus Bonus of 70 FREE TOTAL 270 PLUGS \$645	☐ 200 PLUGS & PLUGGER Plus Bonus of 70 FREE TOTAL 270 PLUGS \$945
☐ 500 PLUGS & PLUGGER Plus Bonus of 175 FREE TOTAL 675 PLUGS \$1945	☐ 1000 PLUGS & PLUGGER Plus Bonus of 350 FREE TOTAL 1350 PLUGS \$2945	☐ 2000 PLUGS & PLUGGER Plus Bonus of 700 FREE TOTAL 2700 PLUGS \$4945	☐ 3000 PLUGS & PLUGGER Plus Bonus of 1000 FREE TOTAL 4000 PLUGS \$6945	☐ FULL SIZE PLUGGER \$495

NAME _____ I enclose \$ _____
ADDRESS _____ ☐ Check ☐ Money Order
CITY _____ ☐ Visa ☐ Master Card
STATE _____ ZIP _____ Expires _____

© 1984 Zoysia Farm Nurseries

Card # _____

Russia: Broken Idols, Solemn Dreams

For all its once-shining promise of a workers' utopia, the Soviet experiment in egalitarianism has proved itself a failure.

Even though the Marxist/Leninist ideology still shapes perceptions of events, the former vital sense of forward motion is gone. The urgency of 1917 has died. It has been dissipated in 67 years of golden promises that somehow never came true, in the vindictive excess of a paranoid leadership, in the ashes of a terrible war, in the plodding pragmatism of a now-superannuated platoon of men who are unable to spark the average citizen's enthusiastic cooperation in pursuit of the still-honored goal.

As a result, the Soviet Union has run aground. Today, it is stuck in an oppressive system of gigantic socialism and internal terror, from which no quick change can be expected.

Many Russians can remember when they believed in the eventual ascendancy of Communism. Their recollection of that hope deepens their despair today, leaving behind a hollow mood, a resignation made all the more bitter by their collective sense of loss.

In response, writes David K. Shi-pler in *Russia: Broken Idols, Solemn Dreams* (Times Books, pub., \$17.95), Soviet citizens today have begun a search for some ideal to replace their "broken idols." That search, however, is not projected forward into a new Marxist version of the future, but backwards—back to the suffering and glory of WWII (which ennobled heroism and patriotism), back to authoritarianism (which, though cruel, at least provided hard-and-fast guidelines of conduct), back to traditional, almost mythic Russian values (antedating the Revolution of 1917) and back, most surprising of all, to the church.

Christianity, Shi-pler says, has survived decades of atheistic onslaught. It perseveres today, attracting adherents among the old, the young, even the most convinced mem-



bers of the Communist Party, he adds. "Communism and Christianity coexist, intertwining through the layers of belief and disbelief . . . Party members sometimes have their children baptized clandestinely."

Even Russian Jews benefit by Christianity's survival, for only the grudging tolerance of the church endows the nation with some semblance of conscience. "I am a Communist," one Party member is reported as crowing. "But I believe that the only thing that keeps us from becoming barbarians is Christianity."

Russia, moreover, is distinct from the Soviet Union, not merely in the geographic sense (it is only one of several dozen "soviet socialist republics") but also demographically: Russians are but one of over 100 nationalities, although they number slightly more than half of all Soviet citizens. More to the point, the USSR today primarily is a governing apparatus, while Russia is a nation of disillusioned people who

pursue essentially pointless lives aggravated by constant fear of the secret police.

Not that there is any reasonable hope that Russia some day may throw off its Marxist yoke. Rather, says Shi-pler, the Russians' "abiding fear of encirclement and invasion and warfare," combined with their mystical patriotism and love for the "motherland," makes any such hope foolish in the extreme.

Even so, time seems to be on the side of the West. If Western leaders somehow can lessen the average Russian's deeply held fear of encirclement, while simultaneously countering the Soviet Union's nuclear threat; if the West somehow can step up the flow into the USSR of information about the real world outside Russia's jealously guarded borders, and if the deepest Russian hungers for a meaning to life somehow can be satisfied, the Bear might become less fearsome to behold.

(One is tempted to wonder, in view of the effect upon Poland of the election of a Polish-born Pope, what the effect upon Russia might be if John Paul II's successor, like the fictional Kiril I in Morris L. West's *The Shoes Of The Fisherman*, were Russian-born. The possibility, of course, is remote, but no more remote than the likelihood of the election of a Polish Pope was when Paul VI, or even John Paul I, was alive.)

"We have met the enemy, and he is us," the late Walt Kelly's cartoon character Pogo said nearly a generation ago. Perhaps this is why we Americans find Russians so fascinating: they are so much like us. Shi-pler's book gives us a glimpse of the average Russian, a view made all the more compelling because we, too, understand patriotism. What a tragedy it is that the Communist police state prevents Americans and the Russian people from establishing close personal contacts—the kind that might lead to real peace. ■

"Christianity . . . has survived decades of atheistic onslaught."

Experts Report... Once Established... Water Just Once A Week... Be Absolutely Amazed As All Growing Season Long—Week In, Week Out... Compared To Even The Majestic Black Spruce... WONDER SHADE TREE...

ZOOMS TO THE SIZE OF A 15 YEAR OLD TREE IN JUST ONE SINGLE YEAR!

YES, ROOF-HIGH IN JUST ONE YEAR!
and keeps on skyrocketing 30-40-50 EVEN UP TO
60 FEET HIGH OR MORE in less time than most
trees nudge themselves a few feet off the ground.

**IT'S ALMOST LIKE
GROWING
INSTANT SHADE**

Actually Soars Into A Magnificent Tree IN JUST ONE YEAR!

Yes! Based on amazing growth rates reported by plant scientists—it grows SO FAST... arches out SO WIDE... you can actually take a ruler and measure the incredible difference in height every 2 to 3 days! OR, to really leave your neighbors gasping in awe and wonder, give them a yardstick and let them measure the difference IN FEET every 2 to 3 weeks!

Yes, goes on to thrust itself so high, so fast that it actually towers over even a Japanese Red Maple, Cherry Tree or even the most graceful silky willow in such a ridiculously short time you will simply refuse to believe your eyes! Think of it!

GROWS MORE IN JUST ONE MONTH THAN MOST TREES GROW IN AN ENTIRE YEAR!

Because according to plant experts, Govt. scientists and Botanical Gardens who researched this wonder-hybrid... once established, you merely water it once-a-week, and be absolutely floored as, during its SUPER-SOARING growing season, it GROWS AS MUCH AS A FULL 1/2-FOOT WEEKLY AFTER EVERY TIME YOU WATER IT!

That's right! Grows higher than even a full grown Flowering Dogwood IN JUST ONE SINGLE SEASON! Grows higher than even a full-grown Star Magnolia IN JUST ONE SINGLE YEAR!

PLANT NOW—REACH OUT AND TOUCH ITS LUSH, THICK BRANCHES FROM YOUR SECOND STORY BEDROOM WINDOW BY THE NEXT SUMMER!

No doubt about it. There's just not another "instant" Shade Tree like it on this planet! Because thanks to this miracle of plant science, instead of spending a small fortune on a tree and then waiting half a lifetime for it to grow... get set for the garden-wonder of your life as this super-soaring hybrid rockets forth from a prize nursery-grown plant to a tower of roof-high beauty in less time than you ever dreamed possible.

GROWS IN VIRTUALLY ANY SOIL—REQUIRES NO SPECIAL CARE—SOARS INTO A MASTERPIECE OF BEAUTY IN JUST A MATTER OF MONTHS!

Best of all, unlike most trees that demand constant care, constant pampering... about the only thing you do after you plant this super-growing wonder-hybrid is water it and enjoy it! That's why leading botanical gardens... landscape artists... garden editors... can't stop raving about its indescribable beauty... its trouble-free care... its surging, towering growth.

Small wonder that leading experts hail it in the most glowing terms... recommended it again and again for homeowners who want a stunning display of beauty... both a wind and privacy screen and deep, cool shade... and with practically no more work than a thorough watering each week!

VITAL STATISTICS FROM LEADING EXPERTS

MATURE GROWTH SIZE: as much as 40 to 65 feet

MATURE SPREAD: as much as 30 to 35 feet

ZONE OF HARDINESS: Hardy from the deepest South to as far North as Vermont, Minn., Quebec, British Columbia. Winter Hardy in areas where temp. drops as low as 30 degrees below zero.

LIGHT NEEDS: Grows beautifully in Sunny location.

DECORATIVE MERITS: Highly recommended by landscape architects as beautiful decorative specimens for homes, parks, highways, etc., where exceptional fast growth and beauty are required. Perfect for fast screening and privacy.

RAPID RATE OF GROWTH: Experts report growth rates on specimen trees that measure up to 8 FEET THE VERY FIRST YEAR ALONE. That's more than most shade trees grow in 3... 4... 5... even 7 years. Yes, once established will grow ranch-house-roof high IN JUST ONE SINGLE YEAR, that's right!—The very next year after planting! Experts also report it soars an amazing 5 to 8 feet each year for YEARS thereafter. Naturally results are based on optimum growing conditions. Takes but 10 minutes to plant and normal care rewards you with a lifetime of beauty starting this very year.

CARE: Nothing special—just normal garden care. Water fully once weekly. Naturally resistant to most diseases, pests or insects.

**WE HAVE AT THIS MOMENT ONLY A LIMITED
SUPPLY AVAILABLE FOR RELEASE TO THE
PUBLIC—FULL SUPPLY WON'T BE READY UNTIL
1985 SO ACT NOW!**

Now the price of this super growing shade tree is not \$20 or \$30 as you might expect, but a mere \$3.95!

That's right, only \$3.95 for this magnificent Beauty that rewards you with such a glorious display of growth IN JUST ONE SINGLE YEAR. However, our supply is limited! Full supplies from the growing fields will not be ready until late 1984 or early 1985. Therefore, all orders must be shipped on a first-come, first-shipped basis. To make sure you don't miss out... ACT NOW!

SATISFACTION GUARANTEED OR MONEY BACK!

Remember: Satisfaction is fully guaranteed. You must be thrilled in every way with this spectacular f-a-s-t growing shade tree or RETURN AT ANYTIME within 90 days for a full refund of purchase price... ANYTIME within 1 year for free replacement. Could anything be fairer? Now is the time to order and replant—so send no-risk coupon today!



Grows More in One Month Than Most Other Shade Trees Grow in An Entire Year—More in One Season Than Ordinary Shade Trees Grow in 2 Years, 3 Years or Even 5 Years! (Illustration shows magnificent size, spread and beauty of mature Populus hybrid-fam. Salicaceae.)

JUST MINUTES TO PLANT—REWARDS YOU WITH A LIFETIME OF BEAUTY!



Here's a luxurious sight you don't have to wait half a lifetime growing—a matched pair of these towering show-pieces.



Picture your patio bathed in the cool beauty of this show-stopping miracle tree from early spring to the first snows of winter.



Just a few minutes planting time—a few seasons' growing time, rewards you with twin towers of beauty.

—MAIL NO-RISK COUPON TODAY—

**Spring River Nurseries, Dept. AL-384
Spring River Road, Hartford, Michigan 49057**

Yes, please send me for proper planting time in my area the SUPER GROWING HYBRID(S) indicated below:

- ☐ (#001) 1 for only \$3.95 plus 75¢ postage and handling.
- ☐ (#002) 2 for only \$6.95 (SAVE OVER \$1) plus \$1.00 postage and handling.
- ☐ (#004) 4 for only \$10.00 (SAVE OVER \$7.00) plus \$1.50 postage and handling.
- ☐ (#010) 10 for only \$20.00 (SAVE OVER \$20.00) plus \$3.00 postage and handling.
- ☐ (#020) 20 for only \$30.00 (SAVE OVER \$55.00) plus \$5.00 postage and handling.

If after receiving my order I am not fully delighted, I may return anytime within 90 days and you will refund my purchase price in full (less postage and handling, of course).

Total amount enclosed \$_____ (Mich. residents add sales tax.) No C.O.D.'s please.

Name _____
Address _____
City _____ State _____ Zip _____

VETERANS' UPDATE

The US House of Representatives on Jan. 30 passed and sent to the Senate a bill to compensate veterans diagnosed as suffering from certain specified health problems that are presumed to be linked to the use of Agent Orange in Vietnam.

The bill, H.R. 1961, would permit payment of disability benefits to veterans who served in Southeast Asia during the Vietnam War and who subsequently suffered from chloracne, a skin disorder; cancerous tumors of soft tissue, or a rare liver disease known as porphyria cutanea tarda. It also would grant benefits to veterans who developed cancer, leukemia or a rare disease of the bone marrow known as polycythemia vera since their service if they were exposed to atomic testing.

Passage of the measure, which was actively supported by The American Legion, was hailed by Natl. Cdr. Keith Kreul. The Legion, he said, "considers this an important first step toward compensating veterans whose health problems may be linked to Agent Orange or atomic testing."

Leaders of the Senate, said E. Philip Riggan, director of the Legion's National Legislative Division, "agreed to consider Agent Orange legislation no later than May 1984." A Senate bill, S. 1651, employs a slightly different approach that essentially involves establishment of a process to presume service connection for certain disabilities.

"Senate disposition of either S. 1651 or H.R. 1961 is still uncertain," Riggan said. "There is some resistance to Agent Orange legislation. However, in light of House approval on Jan. 30 and expected public pressure for Senate approval, we believe that final consideration of some form of Agent Orange legislation will occur in mid-1984."

If you served more than one enlistment and you were denied replacement of missing teeth that had been extracted during a prior period of service, you may be eligible for those replacements now—if you hurry.

It's all due to a new interpretation of an older VA eligibility rule. Those who now qualify for benefits, the VA says, are those who formerly were denied replacement of missing teeth that were extracted during a prior period of service.

Veterans who think they may be eligible under the new rule interpretation, and who still are in need of replacement of their missing teeth, must make application before April 5, 1984.

The dental care is restricted to treatment previously denied. It does not include any other current dental needs.

Veterans Readjustment Act appointments during Fiscal Year 1982 (which ended Sept. 30, 1982) amounted to 4 percent of all newly hired federal employees, the Office of Personnel Management has reported.

While the Legion is pleased at the report, its pleasure is tempered by a disappointing lack of emphasis on compliance with the act among federal agencies. For instance,

the US Department of Labor, in reporting its new-employee figures for the period from October 1981 through March 1982, said that it had hired only two veterans under the VRA out of a total of 209 newly hired persons.

The Legion has noted that compliance with the act is voluntary, and urges a commitment to the program among all government agency chiefs throughout the country. The Legion also feels that jobs available through VRA should include levels GS-1 through GS-9 (instead of GS-1 through GS-7, as at present); that eligibility limits should be broadened (currently, the program is available to veterans with 14 or fewer years of education, although that limit is waived for compensable Vietnam-era veterans) and that the VRA should be extended three years beyond its current cutoff date of September 1984.

There is no deadline for veterans to file disability claims. It's always wise, however, to file a claim as soon as possible after discharge, because submission of evidence may be hampered by the passage of time. Also, if a disability claim is filed within one year of the date of discharge, payments may be made from that date. If a veteran waits until more than a year has elapsed to file his claim, payments are made from the date of application (if there is a ruling of eligibility), not from the date of discharge. In all cases, however, veterans are urged to contact an American Legion Service Officer for assistance in filing claims.

The US Supreme Court has agreed to decide whether federal aid for college students may be withheld from young men who fail to register for the draft. The American Legion has long supported draft registration; its Resolution 124, adopted at the 1983 National Convention in Seattle, reaffirmed an earlier Resolution on that issue. Congress, in setting the US Department of Defense's 1983 authorization, incorporated the student aid-draft registration link.

In March 1983, US District Court Judge Donald D. Alsop of Minnesota ruled that the registration requirement imposed a form of punishment without trial, a practice forbidden by the Constitution. Judge Alsop also ruled that the provision requiring students who had not registered for the draft to acknowledge that fact when they completed applications for student aid ran contrary to constitutional protection against self-incrimination as afforded by the Fifth Amendment.

Although Judge Alsop ordered the government not to enforce the law, the US Supreme Court stayed that order until it has had time to consider the merits of the case. That means that all college students who have applied for federal aid since last October 1 must also certify that they have registered for the draft or that they have not registered.

The US Supreme Court's ruling on the matter is not expected before late spring 1984 at the earliest, and possibly not until the court reconvenes next October.

Legion Hails 'K

Report of the National Bipartisan Commission on Central America



January 1984

Recommendations In 140-Page Study Closely Parallel Resolutions



Natl. Cdr. Kreul (left) discusses Central American policy with former Secretary of State Kissinger, chairman of the commission.

Economic and political challenges abound throughout Latin America, the National Bipartisan Commission on Central America reported to President Reagan on Jan. 11.

Known informally as the "Kissinger Commission," since it was headed by former US Secretary of State Henry A. Kissinger, the group issued its 140-page report following six months of intense study.

Natl. Cdr. Keith Kreul immediately hailed the report. "For several years," he wrote in a letter to Dr. Kissinger, "The American Legion has been alerting Americans about the serious challenge to US national interests in Central America. Although we may differ on some aspects, we certainly endorse the report's general thrust."

"The splendid work of the commission now provides an authoritative basis for an informed national debate. As I stated in my testimony before the commission, The American Legion stands ready to work with you, the President and the Congress in quickly developing a strong bipartisan consensus to translate the report into action."

Key areas in which the commission's recommendation jibed closely with previously adopted Legion Resolutions included military aid to El Salvador, economic aid to the entire Caribbean area, educational aid and aid to Nicaraguan "freedom fighters." Compare the following commission recommendations with the summarized versions of Legion Resolutions:

Military Aid: Provide El Salvador "significantly increased levels of military aid as quickly as possible, so that Salvadoran authorities can act on the assurance that needed aid will be forthcoming," subject to demonstrated adherence to certain human rights standards. The commission noted that the Defense Department favors military aid of \$400 million in FY 1984 and 1985. (To date, Congress has appropriated only \$64.8 million for FY 1984).

Legion Resolution No. 308: "The US Government [should] provide adequate economic aid to El Salvador and furnish increased military training and equipment as necessary to defeat the guerrillas . . . and take whatever

action is necessary to redeem its pledge to defeat Communist insurgency."

Economic Aid: For emergency economic stabilization, provide an immediate increase of \$400 million to Central America, almost doubling the \$477 million appropriated for FY 1984. For the longer term, provide \$8 billion of economic aid over a five-year period. (This would mean a threefold increase over appropriations to date for FY 1984. The total funding needs for the five years would be \$21 billion, including private investment and multilateral aid).

Legion Resolution No. 262: "The Administration [should] enlarge the Caribbean Basin initiative into a true 'Marshall-type Plan' for the area, including greatly increased funding over a number of years."

Educational Aid: Provide 5,000 university scholarships and 5,000 vocational-technical scholarships, and make them available to all social and economic classes.

Legion Resolution No. 262: "The US Government [should] support in-

Kissinger Commission' Report

creased educational exchanges between the United States and the Caribbean Basin nations."

Aid to Nicaraguan "Freedom Fighters": "The majority of the members of the commission . . . believe that the efforts of the Nicaraguan insurgents [freedom fighters] represent one of the incentives working in favor of a negotiated settlement. . . . The commission has not, however, attempted to come to a collective judgment on whether, or how, the United States should provide support for these insurgent forces."

Legion Resolution No. 420: "The United States should . . . aid the Nicaraguan freedom fighters in their struggle against tyranny, without directly committing US personnel to combat."

The commission's report includes many other recommendations covering economic assistance, military aid, human development and diplomatic efforts. General thrust of the detailed recommendations is reflected in this statement, quoted from the report's discussion of El Salvador:

"There might be an argument for doing nothing to help the government of El Salvador. There might be an argument for doing a great deal more. There is, however, no logical argument for giving some aid but not enough. The worst possible policy for El Salvador is to provide just enough aid to keep the war going, but too little to wage it successfully."

The commission reiterated several times in its report that the Central Americans ultimately must solve their own problems through their own efforts. Certainly, vastly increased and better coordinated US and multilateral aid is essential. But no outside nation, no matter how committed or generous, can fight the battles or implement the democratic reforms or do the hard work of building economic prosperity required to surmount the Central American crisis.

The entire region, said the commission, now faces twin challenges of economics and politics. Its economic woes result from fast-dropping standards of living occasioned by worldwide recession, skyrocketing energy costs, declining commodity export prices, rising interest rates, excessive foreign debt and intra-regional tensions.

The political challenge "centers on the legitimacy of government." The strains of modernization, economic chaos and ideological contention have unleashed powerful forces throughout the hemisphere. Fortunately, the commission found, "democracy is becoming the rule rather than the exception."

Furthermore, the report noted that "experience has destroyed the argument of the old dictators that a strong hand is essential to avoid anarchy and Communism." It urged that "nations should choose for themselves, free of outside pressure, force or threat." Such pressures emanate from the Soviet-Cuban threat, the report said.

Despite differences over the years, the commission said, there is a basic, underlying identity of interests between the US and Latin America. "The Monroe Doctrine has sometimes been challenged by our neighbors . . . But they have never questioned its central inspiration: the vision of a hemisphere united by a core of common commitment to independence and liberty . . . free to work out its own destiny in its own way . . ."

To guide hemispheric relations within the general context, the commission proposed three basic principles:

- National self-determination by democratic means.
 - Economic and social development benefitting all classes of society.
 - Cooperative efforts to eliminate security threats.
- To implement these goals, said the commission, the US should:
- Underscore US moral authority by doing what is morally right and necessary.
 - Improve living conditions for the average citizen, which, if allowed to deteriorate, could lead to catastrophe.
 - Promote democracy.
 - Enhance the "hemispheric system" by rebuilding its central bridge.
 - Encourage peaceful, democratic change in Central America.
 - Prevent hostile control of a strategically important area.
 - Prevent establishment of a Soviet foothold in the hemisphere.

The commission summed up its overall assessment of the Central American crisis thus: "The more we learned, the more concerned we became that the United States must act . . . and act boldly. . . . The stakes are large, for the United States, for the Hemisphere and, most poignantly, for the people of Central America." ■

Dr. Henry A. Kissinger (far right) is shown with other members of the commission at hearings conducted in Washington last year.



Legless Veterans Walk

Thanks To VA's Array Of Medical Achievements

Nobel Prize-Winning scientists, researchers lead dedicated, hard-working staff in pursuit of dazzling contributions to medical science.



Its primary mission is to help serve the needs of America's millions of veterans: educational, legal, personal, medical—you name it. But while its accomplishments in other areas are both well-known and well-documented, it's in what one observer has termed VA's "amazing array of innovative contributions to medical science" that the most dramatic and most visible benefits to veterans and to all mankind are evident.

If you grew up in the 1930s—or in any previous decade—it's likely you remember the legless veteran dressed in rags who pushed himself from place to place on the streets of the city on a sort of wheeled dolly, begging pennies from passersby. You haven't seen him or his kind since WWII, and chances are good that you'll never see him again, thanks to the VA's role in the development of artificial limbs and rehabilitation of the disabled.

The VA is credited with promoting the development of the self-suspending suction socket, now a standard for artificial legs, and VA-developed techniques for fitting artificial limbs of all sorts have become the standard of the entire world.

Since 1960, the VA has led the world in new techniques of amputation (which help preserve muscles and tendons needed to manipulate prosthetic devices) and in reducing the amount of time needed to make an amputee ambulatory. At the same time, it has

cut amputee mortality from 16 percent to almost zero, while also improving from 81 percent to nearly 100 percent the rehabilitation of amputees.

But the VA's contributions to medicine are by no means confined to helping amputees return to society faster and easier. Its list of contributions to medical science is virtually all-inclusive, from the chemical treatment of tuberculosis (which virtually emptied America's formerly crowded TB wards) to organ transplants, heart surgery, the use of drugs in neuropsychiatry, oral medication in diabetes, controlling high blood pressure (which can lead to heart disease, kidney disease and "strokes") and many more areas of accomplishment.

Equally impressive is the international recognition accorded many VA physicians and researchers. At the top of the list stands Rosalyn Yalow, Ph.D., a senior medical investigator at the VA medical center in The Bronx, New York, who shared the Nobel Prize in Medicine in 1977 for her work in developing the radio-immuno-assay technique, which uses radioisotopes to measure substances in the blood. As a result of Yalow's research (conducted in collaboration with the late Solomon Berson, M.D.), radioisotopes can be used in the diagnosis, clinical investigation and therapy of a wide variety of diseases, including diabetes, uremia and hepatitis.

Sharing the 1977 Nobel Prize with Yalow is Andrew Schally, Ph.D., senior medical investigator at the VA medical center in New Orleans, who was cited for his description and synthesis of neurohypophyseal peptides, hormones originating in the hypothalamus section of the brain. The research, which also won Schally the prestigious Albert Lasker Award for Basic Research in 1975, showed how the brain controls several important bodily functions. (Yalow also won the Lasker Award).

Other Lasker Award winners include Edward Freis, M.D., who was cited in 1971 for his research on hypertension; Ludwik Gross, M.D., cited in 1974 for discovery of leukemia-inducing and cancer-inducing viruses in animals, and William Oldendorf, M.D., honored in 1976 for his development of the concept of computerized axial tomography, the "CAT scanner" that revolutionized diagnostic medicine by enabling physicians to see soft tissues that are not visible in regular X-ray pictures.

Nor does the roll of VA achievements in medicine end there. It has been a leader in the field of heart surgery. In 1973, VA physicians performed 2,038 heart operations with an 11 percent mortality rate; in 1982,



there were 6,213 operations at 42 hospitals, with a 5 percent rate of mortality.

The first cardiac pacemaker, a five-ounce, battery-powered device that is used to regulate the heartbeat, was implanted by William Chardack, M.D., co-developer with Wilson Greatbach, an engineer. The operation was performed at the VA hospital in Buffalo, N.Y. In 1977, Chardack and Andrew Gage, M.D., chief of surgical service at the VA medical center, implanted the first nuclear-powered pacemaker in the US.

Another VA heart study has helped determine the best dosage of aspirin to prevent circulatory problems in heart patients. In a related development, Michael Ezkowitz, M.D., director of echocardiography at the VA medical center at Oklahoma City, recently was recognized for using high-frequency sound waves and radioactive isotopes to diagnose blood clots in the heart.

Working at the VA medical center in Tampa, Fla., Michael Yarnoz, M.D. and biophysicist Stephen Kovacs have developed an artificial heart-pump system that can aid or replace a failing human heart and allow the recipient to be fully mobile. William DeVries, M.D., cardiothoracic chief at the VA medical center in Salt Lake

City, Utah, implanted the first mechanical heart into dentist Barney Clark (since deceased) in an operation that drew world notice and acclaim. Heart-transplant surgery has become almost routine at the VA medical center in Richmond, Va.

Also, the VA has set up two computer centers—one in Washington, D.C., one in San Francisco—so that veterans throughout the country can have their implanted cardiac pacemakers checked by telephone. The program is designed to catch faulty or deteriorating pacemakers before they fail, with potentially lethal consequences to their owners.

Other VA personnel have led the way in the growing field of other-organ transplants. Thomas Starzl, M.D., now with the University Drive VA medical center in Pittsburgh, Pa., performed the world's first successful liver transplant while with the VA medical center in Denver. He also has been a pioneer in kidney transplant operations, which are becoming more frequent at VA hospitals nationwide.

In the field of mental illness, the VA has been credited with numerous contributions. For instance, a 10-year study by the VA established the effectiveness of drug treatment for schizophrenics, thus making it possible for

many patients to leave hospitals and resume a degree of normal functioning in the outside community. Another VA study that ended in 1975 was a major factor in securing Federal Drug Administration approval for the use of lithium carbonate in the treatment of mania. The VA also has pioneered the encouragement of mentally ill patients to fraternize with each other.

In the field of metabolic research, Paul Heller, M.D., a physician with the West Side VA medical center in Chicago, is credited with discovering the mechanism in multiple myeloma, a form of cancer. He also is an internationally recognized authority in hematology and sickle-cell anemia. Roger Unger, M.D., with the VA medical center in Dallas, has led studies that have improved treatment of diabetics, while studies by James Anderson, M.D., of the VA medical center in Lexington, Ky., have shown that increasing fiber in diabetics' diet reduces the risk of cardiovascular disease. Victor Herbert, M.D., at the VA medical center in The Bronx, N.Y., also has made major contributions in nutrition and hematology.

One of the more unusual contributions by VA medical researchers has



Radioisotopes were the subject in Nobel-prize-winning studies of Rosalyn Yalow, Ph.D., of the Bronx VA Medical Center. Her achievements have helped in the study of many diseases, including diabetes, uremia and hepatitis.

Legless Veterans Walk



Hormone research brought Andrew Schally, Ph.D., a Nobel Prize. His research revealed how the brain controls several body functions through different hormones.

been basic studies in tissue regeneration. Robert Becker, M.D., directed a series of studies at the VA medical center in Syracuse, N.Y., to stimulate the regeneration of tissue in mammals by using electrical current. Such studies hold awesome implications for the future.

The risks of smoking, including cancer and heart disease, are widely known today, but much of the pioneer work was done in VA medical laboratories. Oscar Auerbach, M.D., of the VA medical center in East Orange, N.J., produced evidence from his studies supporting the US Surgeon General's decision to require that cigarette packages and advertising carry health warnings. The results of Auerbach's investigation, indicating that cigarette smoking is the single most important factor in the development of lung cancer and emphysema, were used in the Surgeon General's Report on Smoking and Health in 1964.

Of at least equal importance has been the VA's contributions to the understanding of alcoholism and its treatment. The use of chlor-diazepoxide and other drugs—now the accepted standard for use in treating

acute alcohol withdrawal and delirium tremens—was developed in a VA cooperative study.

Even the treatment of paralysis is an area in which the VA shines. At the Cleveland, Ohio, VA medical center, medical scientists are trying today to

help patients recover the use of paralyzed muscles by stimulating them with small amounts of electricity. Extensive study, conducted there over a 10-year period, has helped paralyzed patients walk when their leg muscles are electrically stimulated, and the technique also has been used successfully to stimulate the muscles of a paralyzed hand.

For those patients confined to wheelchairs, the VA's extensive medical research also has produced the "VAISCO" seat cushion, designed to reduce the incidence of pressure sores, a major problem for wheelchair users. The VA also has encouraged development of motorized wheelchairs, enabling severely handicapped patients to become at least partially mobile.

The VA also is sponsoring research into the development of robotic arms that permit paralyzed patients to hold, dial and use a telephone, and to hold books, use typewriters and use personal-size computers.

VA-produced and VA-sponsored medical research, it's clear, has made and continues to make significant contributions to medical science, and is garnering international renown. What's most important, though, is that the fruits of this research benefit not only America's millions of veterans but also virtually every human being in the entire world. ■

Legion Asks More Money For Research

Congress should allocate more, not less, money for VA medical and prosthetic research, Natl. Cdr. Keith Kreul told the House and Senate Committees on Veterans Affairs Sept. 20, 1983.

"The fact is," he testified, "that medical and prosthetic research has been under-funded for the past several years. There has been a failure to recognize the essential role of research in the delivery of care to veterans . . .

"Our petition to the Committee is that when the Fiscal Year 1985 [which begins Oct. 1, 1984] Budget is under consideration, special attention [should] be paid to the amount to be provided for research, and that the

Committee not hesitate to recommend to the Budget Committee [a] substantial increase . . ."

Cdr. Kreul's testimony was prompted by the Legion's continuing program that watches funding for all VA programs, including that for medical care. Over the past several years, the Legion's analyses of VA budgets has revealed several reductions in funds allocated for research.

"The Legion knows that high-quality medical care cannot be provided to veterans without a dynamic research program in VA medical centers," said Robert E. Lyngh, director of the Legion's National Veterans Affairs and Rehabilitation Division. "The VA's funds for research for the current fiscal year (FY 1984) were increased by Congress following Legion requests that this be done." ■

Chehalis Post 22

Imaginative Member Drive Wins Acclaim

An innovative membership campaign has resulted in the near-doubling of the size of Chehalis Post 22, Chehalis, Wash. That's why it's being honored as THE AMERICAN LEGION MAGAZINE's first "Post of the Month."

Founded in 1919, Post 22's membership remained around 160 until the early 1980s. That's when Post Adj. Mary Lou Strasser and her fellow veterans came up with a membership "fishing" plan that put the dues bait on the hook.

The plan works like this: The Post offers to pay a Vietnam-era veteran's first-year dues if the veteran will attend just one meeting. When the veteran shows up for the meeting, he is told about the Legion and its service to veterans and America. The veteran is asked to tell a bit about his duty period and what he is doing now. An initiation is conducted, and the veteran is given a job in the Post all in the same night.

"Every meeting since about four years ago," said Strasser, a WWII Navy veteran, "we've signed up three or four new members, many of them Vietnam-era veterans."

The result?

"Fantastic," said Wash. Dept. Adj. Terry P. Missler. "Post 22 had 161 members in 1980 (when the current recruiting effort was instituted); 193 in 1981; 218 at the end of 1982 and 297 at the close of 1983. You can't argue with figures like that. That kind of growth is highly praiseworthy."

The growth is not necessarily a result of the free membership. "The difference here," said Natl. Membership Director James L. Adcox, "is that the Post gets the new member involved and immediately active in a Post project."

Current Post Cdr. Shawn Days joined the Post in 1980, eight years after his discharge from the Air Force. He was handed an application card by a fellow sawmill employee, Clarence Strasser, husband of Adj. Strasser, and now the Post's finance officer. It was Mr. Strasser and the subsequent first meeting that Days at-

tended that convinced him the Legion was dedicated to serving all veterans.

"Without exception, all the members of the Post are the reasons this plan has worked. They make the new guys feel wanted, feel comradeship and feel important," he said. "When they applaud the new member (after the initiation) they make him feel welcome and seem to say, 'Hey, it's good to have you here'."

Post Adj. Strasser, who received an award for service to the Legion at the Department Convention last year, said, "All you have to do is to get the veteran into the Post and show him or her how great this organization is and how much it does for veterans and America. Don't shove them out and don't shove them into anything, but lead them into finding an outlet for their interests. The first thing to do . . . is to listen to them and find out what their interests are. That old Legion saying, 'We Dare to Care,' applies here."

The membership program has had other results besides increasing the head count at Post meetings. In addition to Vietnam veterans, Korean and WWII veterans, many of whom were never members or were former mem-

bers, are joining. A once-disbanded color guard has been reactivated and members of the Post are taking part in more parades, including the parade at National Convention last fall. Last year, Post Adj. Strasser and others from Post 22 were instrumental in getting a Veterans Outreach program in Chehalis. Also, one day a week, an American Legion Dept. Service Officer meets with local veterans.

The Post has grown physically too. Last November, an addition to the Post home was completed. New and old members now have a club and game room.

"I've heard stories from some of the WWII and Korean veterans that when they tried to join a Post after those wars, some of the members didn't want them there," Days said. "But that changed and the Posts finally realized those new veterans weren't so bad after all."

"It's the same today. We might have longer hair and maybe even beards, but we fought for the same country and faced the same dangers. That's what makes us alike, and that's what makes the Legion strong." ■



Chehalis (Wash.) Post 22 Cdr. Shawn Days (left) signs card as Adj. Mary Lou Strasser hands out lapel pin to new member.

National Security, Foreign Relations Commissions

Seeking To Maintain A Strong Defense And A Workable Foreign Policy For US

Pick up any newspaper. Scan the headlines. Read the latest news about war in Lebanon, Iran, Afghanistan, El Salvador. Learn what the Secretary of State of the US had to say to the foreign minister of the USSR.

Study the current status of the MX missile, the B-1 bomber, deployment of Pershing missiles in western Europe, relations with mainland China and with Taiwan.

Find out what's going on today in Israel, Korea, Libya, Central America. Discover the state of the US space program, current moves to revamp military pay and retirement benefits, civil defense preparations.

Glance at the photo of the local youth who won an ROTC medal for having an outstanding military and scholastic record; look at the tally of the local American Red Cross unit's blood drive.

Finished? Congratulations. You've

just completed a short course in the activities of The American Legion's National Security and Foreign Relations Commissions.

Newspapers and other communications media carry these and many other stories because each vitally affects every American. Because they do, the US conducts national-security and foreign-policy initiatives to insure that our nation not only survives but also prospers in an often hostile world.

Maintenance of the nation's security and conduct of its foreign policy is a responsibility of government, acting (in the US) in response to its citizens' needs, wants and best interests. That's why The American Legion, almost from its earliest days, has organized itself so as to formulate national-security and foreign-policy resolutions and to communicate its positions to key individuals and agencies of the federal government.

Indeed, over the years, the Legion itself has become a leading source of grassroots initiative both in shaping America's national-security and foreign policies and, by publicizing its stands, in educating other Americans via the major communications media in the pros and cons of those issues.

The Legion's National Security and Foreign Relations Commissions formulate dozens of resolutions in these areas—many more than all of the Legion's other commissions combined. Delegates to the 1983 National Convention in Seattle, for instance, approved one Resolution by the Legislative Commission, three by the Credentials and Internal Affairs Commission, 11 by the Americanism Commission, 18 by Economics Commission and another 18 by the Veterans Affairs and Rehabilitation Commission—*plus* 51 National Security Commission Resolutions and 35 more Foreign Relations Commission Resolutions.

This intensive activity reflects the Legion's long-standing concern with national security and foreign relations. At its first National Convention in 1919, the Legion's Committee on Military Policy (forerunner of today's National Security Commission) reported out Resolutions supporting universal military training, retention of a small regular military establishment and creation of a citizens' army composed of an organized reserve and National Guard. A permanent body corresponding to the present Foreign Relations Commission has existed since 1924, and there were temporary Committees in existence even earlier.

The Legion's National Security Commission today, headed by Roger A. Munson (Ohio), incorporates the National Security Council and six Committees: Aerospace, Defense/Civil Preparedness, Law and Order, Merchant Marine, Military Affairs and Naval Affairs, reflecting the range of the Legion's interests in this highly important area. The Foreign Relations Commission, headed by Melvin "Doc" Simon (Vt.), incorporates the Foreign Relations Council.

Coordinating implementation of



Providing expert speakers for Legion meetings (like former Army Chief of Staff Gen. Edward C. Meyers, left, who addressed last year's Washington Conference) is an important task of the division, which is headed by Director G. Michael Schlee, right. The Pentagon is shown above.

Legion mandates in both of these areas is the task of the combined National Security/Foreign Relations Division, headquartered in Washington, D.C. (Staffs of the previous two divisions were combined in 1970 because of the obvious closeness of the relationship between both Commissions' goals and to enable the Legion to speak with a unified voice on both topics before Congress and other agencies of the federal government.)

The division's staff currently includes G. Michael Schlee, director; James Hubbard, deputy director; Harry E. B. Sullivan, assistant director; Spencer H. Leopard, research analyst, and two secretaries, June Bancroft and Bonnie L. Johnson. Legionnaires Schlee, Hubbard, Sullivan and Leopard are all Vietnam War veterans.

Typical activities of the division include presenting testimony concerning Legion positions on a wide range of national security and foreign relations topics before key congressional committees and subcommittees, arranging meetings between important government officials for the National Commander and the respective Commission Chairmen, and scheduling tours of military and naval installations for Legion officials.

Thus, Schlee has testified in the Legion's behalf before the House Veterans Affairs Committee on proposed legislation to amend the GI Bill; Natl. Cdr. Keith Kreul has conferred with Secretary of Defense Caspar W. Weinberger and Secretary of State George P. Shultz, and Chairmen Munson and Simon have received State Department briefings on central America and the Mideast. Kreul also presented the Legion's views on Central America before the "Kissinger Commission," thanks to legwork performed by the division.

The division also conducts policy analyses for the respective Commission chairmen. It provides coordination and support for meetings during the National Convention, the spring and fall National Executive Committee meetings and the annual Washington Conference, most notably by booking expert speakers to acquaint commission members with the latest information on current topics. It helps the National Commander prepare for overseas trips by arranging briefings and assembling information for his

review. It publishes reports and brochures explaining Legion mandates on national-security and foreign relations issues, and issues a bi-monthly *National Security and Foreign Relations Bulletin* that is mailed to 1,500 commission members, NECmen and Department Officers.

Working with the Legion's Public Relations Division, it also helps commission chairmen prepare for media interviews. It contributes expert assistance in the preparation of articles that appear in *THE AMERICAN LEGION MAGAZINE* on such recent topics as the nuclear freeze movement, El Salvador, Central America, Lebanon, Grenada, the downing of KAL 007, the Soviet Union's gas pipeline and many more.

The staff also supports activities of the Western Hemisphere Task Force and the Special POW/MIA Committee, both of which are activities of the Foreign Relations Commission. It also evaluates and promotes other activities of the National Security Commission, including blood-donor programs, the ROTC medal award program, law-and-order/crime resistance and re-

lations with the American Red Cross.

"The American Legion," said national Security Commission Chairman Munson, "has long considered national security as the pre-eminent issue facing the country. If we lose it, we have nothing else.

"Our military establishment deteriorated from the 1970s until the early 1980s, while the Soviets significantly increased expenditures aiming at building up their military machine. In the last few years, however, we've begun to close the gap by modernizing both our strategic and conventional forces and improving readiness. We must continue this effort to modernize our strategic equipment."

"The Foreign Relations Commission and its staff," said Foreign Relations Commission Chairman Simon, "are dedicated to helping America maintain a strong, workable foreign policy, one that can maintain US interests worldwide while simultaneously acting to check Soviet ambitions for worldwide domination.

"We must educate the American public about America's responsibility of world leadership and about the reality of this Soviet threat." ■



Chairmen of the National Security and Foreign Relations Commissions, respectively, are Roger A. Munson (Ohio), shown above inspecting a tank, and Melvin "Doc" Simon (Vt.), at left.



Post 41 Cdr. John T. Ray

Legionnaire Of The Month

An electrician in a small Kentucky Post has proved himself capable not only of electrifying buildings but also the people who use them.

That's why Carrollton (Ky.) Post 41 Cdr. John T. Ray is the March "Legionnaire of the Month."

Cdr. Ray, a 21-year career Navy veteran, saw duty at the end of WWII, and returned to Carrollton before reenlisting in 1948. He was an electrician in Korea and Vietnam before his discharge in 1969 as a Petty Officer First Class. Back home in Carrollton, he joined Post 41 and in 1981 began the first of three consecutive terms as Post Commander. This June, he'll retire as Commander and run for Sixth District Commander, a position for which he is unopposed.

As Commander in his first term, he led the Post in a \$15,000 fund-raising campaign to buy its first Post home, an abandoned restaurant. Cdr. Ray rewired the building, often spending his free time with other members cleaning it, recruiting new members and finding new service projects.

Cdr. Ray's efforts have produced a doubling of the Post membership. There were 102 members when he became Commander in 1981. At the end of 1983, there were 171, and as of Jan. 19, 1984, there were 217.

A scoutmaster in Carrollton before becoming Commander, Ray also has led his men in becoming more involved

Legionnaires Urged To Back Revised State Absentee Ballot Laws For Military Personnel

Legionnaires can help assure servicemen their right to vote, the Legion's National Americanism Commission has announced.

They can do so, the Commission said, by urging state legislators to support laws permitting election officials to mail absentee ballots to active-duty military or naval personnel at least 45 days prior to an election.

Some 182,000 military personnel were disfranchised in the 1980 presidential election, the Commission said, because they either received their absentee ballots too late or did not re-

ceive them at all.

In 45 of the 50 states, an absentee ballot must actually be received (not just postmarked) by election day. Regardless of how early a serviceman or woman applies for an absentee ballot, most state election officials usually don't mail one until about three weeks before the election, and that's not enough time, the Commission said, for ballots to reach service personnel at isolated overseas duty stations or at sea and be returned in time to be counted.

American Legion Resolution No. 113, adopted at the 1983 National Convention in Seattle, seeks establishment of state laws to permit election officials to mail absentee ballots 45 or more days before a general election to APOs, FPOs and foreign addresses.

A Naval Reserve lawyer, Lt. Cdr. Samuel F. Wright, has volunteered to coordinate a national effort to reform state absentee voting procedures. Legionnaires interested in learning about reforms of voting laws needed in their states may write Lt. Cdr. Wright at 1201 S. Scott St., No. 422, Arlington, VA 22204. ■

Child Welfare Deadline Nears

Applications for child-welfare grants must be received by the Legion's Child Welfare Foundation by March 31.

Applicants must be nonprofit organizations or agencies, and each project must be concerned with a problem that directly affects children.

Other grant policies and guidelines are defined with each set of application papers requested.

Applications and additional information may be obtained from Paul R. Frinthal, executive secretary, Child Welfare Foundation, P. O. Box 1055, Indianapolis, IN 46204. ■

in community service. The Post now has a Color Guard, an SAL Chapter and an Auxiliary Unit and has contributed to a Pony League Baseball program. Last year, for the first time, the Post sponsored a delegate to Kentucky Boys State. Throughout the year, needy children in the Ohio River town are helped by Post 41, thanks to Cdr. Ray. The Post recently completed a memorial to Korean and Vietnam War veterans.

There is no secret to the success of Cdr. Ray's leadership, according to Post Adj. Kenneth C. Wood. "John has provided dynamic leadership. He's a solid leader who works with his members to get a job done." ■

'Putty' Gilmer Dies At 91

Thomas P. "Putty" Gilmer, 91, a Past Department Commander of Oklahoma and a member of the Oklahoma War Veterans Commission, died in a traffic accident Jan. 3, 1984.

A graduate of Oklahoma A & M College, (now Oklahoma State University), Gilmer was a veteran of WWI and a former mayor of Okmulgee, Okla. He was a National Law and Order Commission member in 1936-37, and National Bond and Stamps Sales chairman for the Legion in 1945-46. He was a member of the Oklahoma War Veterans Commission since 1967.

In recognition of Gilmer's many years of service to veterans and to Okmulgee, Mayor Pete Magrini proclaimed Dec. 14, 1982, as "Thomas Prather Gilmer Day." ■

Legionnaires In Action

Each of the more than 16,000 American Legion Posts is composed of men and women who served their country in uniform with dedication, fervor and pride. Many Posts use this tremendous resource by performing notable service in their communities today—service that the editors believe worthy of emulation by Posts elsewhere. To recognize these nationally significant Post activities and to inspire other Posts to do likewise, THE AMERICAN LEGION MAGAZINE, with this issue, inaugurates a new column, "Legionnaires In Action."

Posts in Louisiana's Sixth District installed a dish antenna last year at

the Louisiana War Veterans' Home near Jackson. The \$3,200 antenna and related equipment will allow veterans living at the state-operated nursing home to watch TV programs in their rooms or to watch them on a 45-inch TV donated by the Louisiana American Legion Auxiliary.

American Legion Post 44, Long Branch, N.J., has presented \$500 scholarships to nursing students at Brookdale Community College each year for over 18 years. Four students received scholarships last year.

Members of **American Legion Post 158, Jackson, Mo.**, travel 160 miles each month to conduct a bingo game at the Poplar Bluff VA Medical Center. Bluecap Legionnaires from Post 158 have conducted the games for more than 10 years. ■

VA Changes Transportation Reimbursement Regulation

The VA won't pay more than bus fare for you to go to a VA hospital.

That's the essence of an amended VA ruling published in the Federal Register Nov. 15, 1983.

The regulation affects only those who are able to use public transportation (buses, elevated or subway trains or other transit modes). If public transportation isn't accessible, or if using it would be medically inadvisable, the rule doesn't apply.

VA will authorize reimbursement for the cost of travel in excess of the actual expense only if the expense is certified in writing. Transportation at VA expense will be authorized if the patient claiming reimbursement is a service-connected veteran; if he or she is a nonservice-connected veteran re-

ceiving VA pension benefits, and if his or her annual income qualifies under another VA rule.

The change in the regulation is aimed at preventing those who are able to pay for transportation from obtaining reimbursement. It has provision for appeal. ■

'Get Out The Vote' Kits Are Available

A packet of materials to help Posts encourage voter turnout in the 1984 elections now is available.

"Get Out The Vote" Kits contain state-by-state information on qualifications for registration and voting, polling hours, public-service announcements and a program guide that offers ideas and suggestions for Posts to use in local campaigns. The kits are produced by the Legion's National Americanism Commission and the National Public Relations Commission.

"Get Out The Vote" has been a continuing program of the Legion's National Commission on Americanism for more than 20 years.

The kits, which are free, may be obtained by Post officials from their respective Department headquarters. ■

OUTFIT REUNIONS

Reunion will be held in month indicated. For particulars write person whose address is given. Notices accepted on official forms only. For form send stamped self-addressed envelope to O.R. Form, American Legion Magazine, P.O. Box 1055, Indianapolis, IN 46206. Notices must be received five months before scheduled reunion. Earliest submissions are favored when the volume of notices is too great to print them all. Notice of Outfit Reunions are run only once during calendar year.

Army

10th Arm'd Div. Vets Assn. (Sept-Kalamazoo, MI) James Revell, 10433 SW 99th Terr., Miami, FL 33176, (305) 271-6087

10th U.S. Infantry, 5th Div. (Aug-London, KY) James Arrington, 936 Guyandotte Ave., Mullens, WV 25882, (304) 294-6223

12th General Hospital (May-Reno, NV) Homer Cooper, 6169 E. Lowe, Fresno, CA 93727, (209) 255-0367

15th Ordnance Co. (Fulda, Germany) (July-Blytheville, AR) Loyal McCommond, Rt. 2, Box 267F, Blytheville, AR 72315, (501) 763-7370

16th Arm'd F.A. Bn., 9th Arm'd Div. (WWII) (July-Hot Springs, AR) D. S. Hull, 31 Sonora Way, Hot Springs Village, AR 71909, (501) 922-0134

19th Coast Arty. (June-McPherson, KS) Daniel Walline, 419 S. Lucy, McPherson, KS 67460, (316) 241-2845

23rd Gen. Hospital, 53rd Station Hospital (June-Columbus, NE) Charles Sand Sr., 3321 Breakwater Pl., Columbus, NE 68601, (402) 564-6792

24th Inf. Div. Assn., 5th RCT, 6th Tank Bn., 26th AAA, 24th Avon Co. (Aug-Cincinnati) Lee List, 115 Ronald Rd., E. Peoria, IL 61611, (309) 694-1681

37th Division Vets Assn. (Sept-Columbus, OH) 37th Div. Vets Assn., 65 S. Front St., RM. 707, Columbus, OH 43215, (614) 228-3788

38th Engr. Regt. (C) (Sept-Canton, OH) Dwight Netzly, 1237 Lincoln Way E, Massillon, OH 44646, (216) 832-9744

39th Combat Engrs., 404th, 643rd Bns. (WWII) (Sept-Paducah, KY) Thomas Swears, 122 Southlane Dr., New Whiteland, IN 46184, (317) 535-8123

46th F.A. Bn., 5th Inf. Div. (July-Grand Rapids, MI) Will Blakely, 0677 Siesta Ln., Weidman, MI 48893, (517) 644-2575

53rd Inf. Assn. (May-Portland, OR) Cebert Bryan, 6436 SE 21st Ave., Portland, OR 97202, (503) 235-8208

63rd Inf. Div. (July-Orlando, FL) Murray Moore, 3933 Barkis Ave., Boynton Beach, FL 33436

65th General Hospital (WWII) (Apr-Williamsburg, VA) Sarkis Mharianian, 19 Gregory Ln., Loudonville, NY 12211 (518) 472-9889

70th Inf. Div. (Aug-Philadelphia) Elbert Feaster, Box 187, Oxford, KS 67119, (316) 455-3509

75th Div. Vets Assn. (July-Baltimore) James Warmouth, 6545 W. 11th St., Indianapolis, IN 46224, (317) 241-3730

80th Div. AEF & ETO, Post 40, 305th Engrs. (Apr-Carlisle, PA) Joseph Fecskovics, 7a William St., Jamesburg, NJ 08831 (201) 521-3198

81st Chemical Mortar Bn. (WWII) (June-Fort McClellan, AL) Willis Sutherland, Rt. 1, Box 15, Yazoo City, MS 39194, (601) 746-4903

85th QM Depot Supply Co., 5th Army (Ft. Custer, England, N. Africa, Italy, WWII) (Apr-Kokomo, IN) Thomas Stewart, Box 237, Galveston, IN 46932, (219) 699-6286

85th Signal Co., 85th Inf. Div. (Sept-Bella Vista, AR) Nelson Treadway Jr., 1098 Long Cove Rd., Gales Ferry, CT 06335, (203) 464-7566

104th U.S. Inf. Regt. Vets Assn. (Apr-King of Prussia, PA) Roger Hemond, Box 3523, Springfield, MA 01101

143rd Tank Co., 43rd Inf. Div. (June-Niantic, CT) Arthur Burns Jr., 33 Prospect St., Bloomfield, CT 06002, (203) 242-4071

187th General Hospital (WWII) (Sept-Colorado Springs, CO) JoAnn Wentland, 7730 W. 30th Ave., Denver, CO 80215

204th F.A. Bn. (Lil Joe) (Korea-1950-53) (June-Tampa, FL) Jay Otto, 328 Cypress Way W., Naples, FL 33942, (813) 597-1331

216th AAA Gun Bn. (WWII) (July-St. Charles, IL) James Hart, 2866 E. Alta Vista St., Tucson, AZ 85716, (602) 795-0654

Continued . . .

Survey Under Way

The Small Business Administration wants to know what kinds of businesses handicapped people run in their homes.

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OUTFIT REUNIONS

... Continued

- 226th AAA Searchlight Bn. (Officers) (Sept-Colorado Springs, CO) Glenn Davis, 9820 Redd Rambler Dr., Philadelphia, PA 19115, (215) 934-7109
- 255th F.A. Bn. (WWII) (Sept-Louisville, KY) Marvin George, 44 N. Jackson Ave. E2, San Jose, CA 95116, (408) 259-4927
- 299th Engr. Combat Bn. (June-Buffalo, NY) Donald Miller, 808 Placek Dr., Johnson City, NY 13790, (607) 797-8826
- 304th Inf. Regt. Assn., 76th Inf. Div. (June-Hartford, CT) Haig Bogosian, 109 Statsir Pl., Red Bank, NJ 07701, (201) 741-5958
- 315th Inf. Regt. Assn. (WWII) (Sept-Valley Forge, PA) Francis Oczko, 144 N. 6th St., New Hyde Park, NY 11040, (516) 352-7554
- 340th Engineers (Sept-Omaha, NE) Francis Lander, 1308 Cornwall, Topeka, KS 66611, (913) 266-5293
- 348th Ordnance Depot Co. (Aug-Cherry Hill, NJ) Ralph Lash, 4469 Kissena Blvd., Apt. 4L, Flushing, NY 11355, (212) 353-2015
- 438th AAA (WWII) (Aug-Binghamton, NY) Albert Maroia, 735 Rhinelander, Ave., Bronx, NY 10462
- 463rd AAA AW Bn., 79th Inf. (Oct-El Paso, TX) Hugh Branscome, 8300 Riverside Dr., Punta Gorda, FL 33950, (813) 639-3604
- 479th Amph. Trk. Co. (Dukw) (June-Sneads Ferry, NC) Ralph Stout, Rt. 1, Box 5, Sneads Ferry, NC 28460, (919) 327-4801
- 504th AAA Gun Bn. (Oct-Florence, KY) Roy Stein, 208 Walnut St., Southgate, KY 41071
- 508th Parachute Inf. Regt. (WWII) (Sept-Omaha, NE) James Allardice, 335 Arducci St., Frankenmuth, MI 48734, (517) 652-6284
- 513th Engrs. Light Pontoon Co. (1942-45) (Aug-Peoria, IL) Herman Stickelmaier, 26 Crescent Dr., E. Peoria, IL 61611, (309) 699-0906
- 557th AAA Bn. Assn. (May-Harrisburg, PA) Louis Edell, 2904 Oakcrest Ave., Baltimore, MD 21234, (301) 668-3501
- 557th Ordnance H.M. Co. (tk) (WWII) (June-Des Moines, IA) Einer Christiansen, 4521 75th St., Des Moines, IA 50322, (515) 276-0906
- 559th AAA AW Bn. (Sept-Seaside Hts., NJ) Herman Ledger, 1931 Ruan St., Philadelphia, PA 19124, (215) 537-5812
- 614th Ordnance Ammo Co. (May-Lancaster, PA) Robert Eby, 543 E. Roseville Rd., Lancaster, PA 17601
- 705th Tank Destroyer Bn. (May-Indianapolis, FL) Paul Yoemans, 10450 6 Mile Rd., Box 107, Battle Creek, MI 49017, (616) 979-4042
- 717th Tank Bn. (WWII) (June-Norfolk, VA) E. W. Smith, 111 Clifton Dr., Athens, GA 30606, (404) 543-3226
- 751st Tank Bn. (Sept-Cherry Hill, NJ) Tom DeChurch, 18 Palmwood Ave., Cherry Hill, NJ 08003, (201) 429-7054
- 763rd Tank Bn. (July-Xenia, OH) Don Page, 523 N. West St., Xenia, OH 45385, (513) 372-3414
- 893rd Tank Destroyer Bn. (Sept-Towson, MD) Harry Sinclair, 684 Md. Rt. 3 N, Gambrills, MD 21054, (301) 923-3190
- 926th Signal Bn. (Sep) (WWII) (July-Memphis, TN) Raymond Mattson, 3428 N. Queen, Minneapolis, MN 55412, (612) 522-0322
- 3094th QM Refrigeration Co. (FIXED) (Sept-Kansas City, MO) Harris Patton, Box 941, Palm Coast, FL 32037, (904) 445-2516
- 3415th Ordnance MAM Co. (Sept-Buffalo, NY) E. R. Skiba, 31 Wakefield St., Rochester, NY 14621
- "A" Btry., 191st F.A. (WWII) (June-Winchester, TN) W. F. Williams, 205 W. Cowan St., Box 215, Cowan, TN 37318, (615) 967-7568
- "A,B,C,D" Batteries, 506th AAA Gun Bn. (July-Pocono Mts., PA) Charles Erdo, 2046 Forest St., Easton, PA 18042, (215) 258-9260
- "B" Btry., 373rd F.A. Bn. Assn., 100th Inf. Div. (May-Virginia Beach, VA) Frank Andros, Box 55, Hyde Park, NY 12538, (914) 229-2330
- "G" Btry. (F), 127th F.A. Bn. (June-Paola, KS) Ralph Diehm, 148 Parker, Osawatimie, KS 66064, (913) 755-4198
- "A" Co., 17th Engr. Bn., 2nd Arm'd Div. (May-Cincinnati) Lewis Polk, 3897 Thimbleglen Dr., Cincinnati, OH 45239, (513) 385-8295
- "A" Co., 143rd Tank Bn., 43rd Inf. Div. (June-Niantic, CT) Richard Neibel, 446 2nd Ave., W. Haven, Ct. 06516, (203) 933-1882

Continued ...

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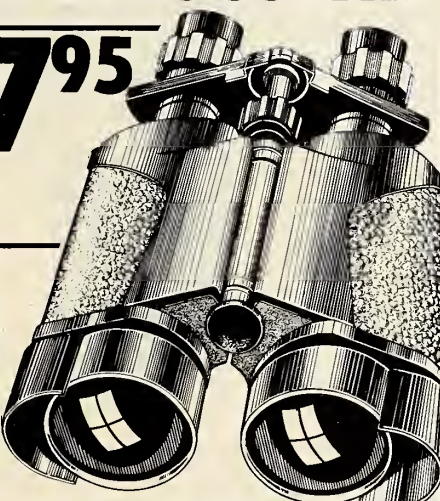
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OUTFIT REUNIONS

... Continued

"A" Co., 151st Inf. (July-Wisconsin Rapids, WI) Oscar Alft, 2510 Plover Rd., Wisconsin Rapids, WI 54494, (715) 423-4635

"A" Co., 850th AVN Engrs. (Sept-Fresno, CA) John Madison, 16851 Buckhorn Mtn. Rd., Sonora, CA 95370, (209) 928-3226

"Antitank" Co., 152nd Inf., 38th Div. (WWII) (June-Portland, IN) Lloyd McGough, Rt. 1, Box 188A, Geneva, IN 46740, (219) 368-7354

"B" Co., 8th Arm'd Inf. Bn., 20th Arm'd Div. (Oct-Clarksville, TN) Jon Hopkins, 2021 University Dr., Charleston, IL 61920, (217) 345-6002

"B" Co., 115th Inf., 29th Div. (June-Hagerstown, MD) George Penner, 214 Woodpoint Ave., Hagerstown, MD 21740

"B" Co., 143rd Tank Bn., 43rd Inf. Div. (June-Niantic, CT) Max Gilbert, 77 Lebanon Ave., Colchester, CT 06415, (203) 537-5970

"B" Co., 692nd T.D. Bn. (Aug-Charlotte, NC) Don Crawford, Rt. 2, Box 108, Millville, PA 17846, (717) 458-5343

"B" Co., 702nd Tank Destroyer Bn. (June-Smoketown, PA) James Ridenhour, Box 422, Cooleemee, NC 27014, (704) 284-2244

"B" Co., 750th Tank Bn. (May-Melbourne, FL) George Ponader Jr., 102 Atlantic Ave., N. Indianantic, FL 32903, (305) 773-3568

"B" Co., 3854th Gas Supply, 205th QM Bn. (July-Buffalo, NY) Ewald Blatter, 6505 Main St., Williams-ville, NY 14221

"C" Co., 87th C.W.S. Bn. (June-Normandy, France) J. Portis, Box 226, Skokie, IL 60077, (312) 677-0333

"C" Co., 124th Inf. Reft., 31st Inf. Div. (May-Clarksville, IN) W. C. Leep, 322 Dieterlen Rd., Henryville, IN 47126, (812) 294-1626

"C" Co., 143rd Tank Bn., 43rd Inf. Div. (June-Niantic, CT) Ray Weckwerth, 185 Swain Ave., Meriden, CT 06450, (203) 237-3764

"Cn" Co., 169th Inf., 43rd Inf. Div. (June-Niantic, CT) Dominic Tedesco, 83 Woodside Dr., Wethersfield, CT 06109, (203) 529-1831

"D" Co., 116th Regt., 29th Inf. Div. (May-Salem, VA) George Kobe, 27701 Murrieta Rd., Ste. 127, Sun City, CA 92381, (714) 679-7928

"D" Co., 191st Tank Bn. (L) (June-Niantic, CT) Walter Coons, 49 Judson Ave., Hartford, CT 06118, (203) 569-0723

"D" Co., 701st MP Bn. (Oct-Waverly, IA) Herbert Albrecht, Rt. 2, Fairbank, IA 50629, (319) 635-2624

"E" Co., 17th Inf., 7th Inf. Div. (June-LaCrosse, WI) Bob Prueher, 1819 Clover Ln., Janesville, WI 53545, (608) 754-7902

"E" Co., 88th, 349th Inf. Divs. (July-Troy, OH) Blaine Greer, Rt. 6, Box 34A, Wapakoneta, OH 45895

"E" Co., 167th Inf., 31st Div. (June-Guntersville, AL) Jessie Walden, 4211 Morrow St., Guntersville, AL 35976, (205) 582-5844

"H & HQ" Cos., 110th Inf. (WWII, Korea) (April) Alfred Maryanski, 1380 Henderson Ave., Washington, PA 15301, (412) 222-8088

"H & S" Co., 143rd Tank Bn., 43rd Inf. Div. (June-Niantic, CT) John Roy, 14 Conestoga Way, Glastonbury, CT 06033, (203) 633-8830

"HQ" Co., 108th Inf. (WWII) (July-Fremont, OH) Wayne Miller, 1170 W. Wayne St., Lima, OH 45805, (419) 228-9418

"L" Co., 338th Inf. (June-Providence, RI) Camille Jobin, 731 Rathbun St., Blackstone, MA 01504, (617) 883-8045

All Horse Cavalry Vets (Sept-Fort Riley, KS) Howard Palm, 7340 13th Ave. So., Minneapolis, MN 55423, (612) 866-5974

Headquarters Camp Stoneman, CA/Oklawa (Oct-Osage Beach, MO) Arlo Finlayson, 423 "G" St., Central City, NE 68826, (308) 946-3025

Navy

28th Special NCB Bn. (Oct-Independence, MO) James Brown Sr., 4008 Bedford, Independence, MO 64055, (816) 373-2150

Acorn 20 GROPEC 2 (Kwajelele Communications Gang, WWII) (June-Coeur D'Alene, ID) Aaron Laws, Box 354, Smelterville, ID 83868, (208) 784-5541

All ASR (Auxiliary Submarine Rescue) (Oct-Panama City Beach, FL) Robert Driscoll, 4002 Milano Rd., Panama City, FL 32405, (904) 265-9461

C.B.M.U. #539 (WWII) (Sept-St. Louis) James Smith, Box 4209, St. Louis, MO 63163, (314) 776-8275

Continued on page 48

Here's how you can soften the blow of your passing.



The American Legion Life Insurance Plan provides comforting protection only for Legionnaire families.

Since 1958, thousands of checks like this one have been paid to Legionnaire wives or other beneficiaries. While money alone cannot fill the loss your loved ones will feel, it can ensure that worry about money won't add to their burden.

As a Legionnaire, you can act now to provide your family extra benefit dollars when they're needed most.

Can you do it? Yes, indeed.

Just \$24 per unit, per year (only 46¢ per week, per unit) can provide up to \$12,000 in supplemental coverage. *Better yet, buy our full 10 units of coverage — up to \$120,000 of benefits for only \$240 per year.*

How is it possible?

Mass buying power makes it so. Thousands of Legionnaires nationwide and the simplicity of our decreasing term plan have kept the premium rate the same since its beginning in 1958. We've kept the costs in line. No salesmen, agents, cash values, dividends or fancy computerized billings. You pay one annual premium for the units you need and you're covered. Completely.

How do you qualify?

It's easy. If you are a Legionnaire in good standing under the age of 70, able to meet the health requirements of the plan's underwriter, you are eligible. See the chart on the following page for really affordable supplemental protection. Especially now. Think about the *more than \$47 million in benefits paid since 1958* to Legionnaire families.

Here's all you do. Right now.

Complete your application on the next page. Mail it with check or money order for the correct premium amount. We'll process your application right away.

Once you're accepted, your vital coverage can never be cancelled as long as you remain a member of the American Legion and pay your annual premium. More. **Benefits for deaths occurring in 1984 include a special 20% increase for all ages of insured Legionnaires.**

Exclusions.

No benefit is payable for death as a result of war or act of war, if death occurs while serving, or within six months after termination of service, in the military, naval or air force of any country or combination of countries.

Turn page, fill out your application and mail today! ►



**THE ONLY
AMERICAN
LEGION
LIFE
INSURANCE
PLAN**

Join the ONLY Officially Approved Plan. Get up to 10 Units. 20% Benefit Bonus.

APPLY TODAY Select the number of units from the chart at right, fill out the application below and enclose your check or money order for the prorated premium indicated to provide coverage for the rest of the calendar year.

IF YOU LIVE IN FL, IL, NJ, NY, NC, OH, PR, TX, or WI send for special application. Applications and benefits vary slightly in some areas. Make check or money order payable to: The American Legion Life Insurance Plan.

BENEFITS—Annual Renewable Term Insurance (Policy Form GPC-5700-781) Benefits determined by age at death and include 20% SPECIAL INCREASE for deaths occurring during 1984. Maximum coverage limited to 10 units.										
Age at Death	10 Units \$240 per yr.	9 Units \$216 per yr.	8 Units \$192 per yr.	7 Units \$168 per yr.	6 Units \$144 per yr.	5 Units \$120 per yr.	4 Units \$96 per yr.	3 Units \$72 per yr.	2 Units \$48 per yr.	1 Unit \$24 per yr.
Through age 29	\$120,000	\$108,000	\$96,000	\$84,000	\$72,000	\$60,000	\$48,000	\$36,000	\$24,000	\$12,000
30-34	96,000	86,400	76,800	67,200	57,600	48,000	38,400	28,800	19,200	9,600
35-44	54,000	48,600	43,200	37,800	32,400	27,000	21,600	16,200	10,800	5,400
45-54	26,400	23,760	21,120	18,480	15,840	13,200	10,560	7,920	5,280	2,640
55-59	14,400	12,960	11,520	10,080	8,640	7,200	5,760	4,320	2,880	1,440
60-64	9,600	8,640	7,680	6,720	5,760	4,800	3,840	2,880	1,920	960
65-69	6,000	5,400	4,800	4,200	3,600	3,000	2,400	1,800	1,200	600
70-74*	3,960	3,564	3,168	2,772	2,376	1,980	1,584	1,188	792	396
75*-Over	3,000	2,700	2,400	2,100	1,800	1,500	1,200	900	600	300
Prorated Premium†	\$180	\$162	\$144	\$126	\$108	\$90	\$72	\$54	\$36	\$18

*No persons age 70 or over (including those desiring additional coverage) will be accepted for new insurance.

†PRORATED PREMIUM TO SEND WITH YOUR APPLICATION. The premiums shown above are for the balance of 1984 for approved applications effective Apr. 1, 1984. Premiums for applications effective May 1 or later are proportionately less, by \$2 PER UNIT PER MONTH, and any overpayments will be refunded. Premiums accompanying non-approved applications will be refunded in full.

EFFECTIVE DATE Your insurance becomes effective on the first day of the month coinciding with or next following the date your application is received, subject to Insurance Company's approval. Insurance may be maintained in force by payment of premiums when due.

INCONTESTABILITY Your coverage shall be incontestable after it has been in force during your lifetime for two years from its effective date.

MAIL TO: The American Legion Life Insurance Plan
P.O. Box 5609 • Chicago, IL 60680

Plan insured by Transamerica Occidental Life Insurance Company.

Application Subject to Underwriter's Approval

NOTICE OF DISCLOSURE OF INFORMATION

Information regarding your insurability will be treated as confidential except that Transamerica Occidental Life Insurance Co. may make a brief report to the Medical Information Bureau (M.I.B.) a non-profit membership organization of life insurance companies which operates an information exchange on behalf of its members. Upon request by another member insurance company to which you have applied for life or health insurance, or to which a claim is submitted, the M.I.B. will supply such company with the information it may have in its files.

The Company may also release information in its file to its reinsurers and to other life insurance companies to which you may apply for life or health insurance, or to which a claim is submitted.

Upon receipt of a request from you, the M.I.B. will arrange disclosure of any information it may have in your file. Medical information will only be disclosed to your attending physician. If you question the accuracy of information in the Bureau's file you may seek correction in accordance with the procedures set forth in the Federal Fair Credit Reporting Act. The address of the Bureau's information office is P.O. Box 105, Essex Station, Boston, Mass. 02112; Phone (617) 426-3660.

ENROLLMENT CARD FOR YEARLY RENEWABLE TERM LIFE INSURANCE FOR MEMBERS OF THE AMERICAN LEGION

Full Name _____ Birth Date _____
Last First Middle Mo. Day Year
Permanent Residence _____
Street City State Zip
Name of Beneficiary _____ Relationship _____
Example: Print "Helen Louise Jones." Not "Mrs. H. L. Jones"
Membership Card No. _____ Year _____ Post No. _____ State _____

I apply for the number of units indicated: ☐

The following representations shall form a basis for the Insurance Company's approval or rejection of this enrollment: Answer all questions.

1. Present occupation? _____ Are you now actively working?
Yes ☐ No ☐ If no, give reason _____
2. Have you been confined in a hospital within the last year? No ☐ Yes ☐ If yes, give date, length of stay and cause _____
3. During the last five years, have you had heart disease, circulatory disease, kidney disease, liver disease, lung disease, diabetes, or cancer, or have you had or received treatment or medication for high blood pressure or alcoholism? No ☐ Yes ☐ If yes, give details _____

I represent that to the best of my knowledge, all statements and answers recorded on this enrollment card are true and complete. I agree that this enrollment card shall be a part of any insurance granted upon it under the policy. I authorize any physician or other person who has attended or examined me, or who may attend or examine me, to disclose or to testify to any knowledge thus acquired.

Dated _____, 19____ Signature of Applicant _____

The American Legion offers this insurance through Transamerica Occidental Life Insurance Company,
Home Office: Los Angeles, California
(Univ.)

GMA-300:19 12-79

5384

ACKNOWLEDGEMENT AND AUTHORIZATION

I have received and read the Notice of Disclosure of Information at left. Further, I authorize any physician, medical practitioner, hospital, clinic, or other medical or medically related facility, insurance company, the Medical Information Bureau or other organization, institution or person having any records or knowledge of me or of my health to give Transamerica Occidental Life Insurance Company any such information.

A photographic copy of this authorization shall be as valid as the original.

Dated _____, 19____ Signature of Applicant _____

☐ I apply for additional Legion Life Insurance. My present certificate number is _____

Shop For Best Auto Club

Competition among auto clubs for new members is increasing. About a dozen major groups have a combined membership of 30-35 million, who pay fees of \$30 per year and up.

Big lure of the clubs is that they offer emergency towing and repair services free of charge (up to a limit that varies widely). Other inducements: insurance plans; bail or arrest bonds; road maps and guidebooks; discounts on tours, lodgings, and car rentals; periodicals; travelers checks; and, in one case, pricing services for new-car buyers. Because of variations in services and fees, shop before you join an auto club.

Price Of Paint To Rise Soon

Paint prices will increase appreciably in the months ahead, well into 1985. Consumption has been climbing steadily because of heavier demand in the auto and building industries. Figure on a hike of maybe 8 percent this year and another 8 percent in 1985.

Construction materials and costs also are on a definite upturn. Estimates are that the overall rise will be around 5 percent this year, though that figure will vary by region and level of competition.

Beware Of Cheap Cameras

Cheap imitations of name-brand cameras are beginning to appear in Europe, South America and even the US, sometimes under labels of their own, sometimes with stolen labels. The lure, of course, is price.

While many of the imitations and forgeries are said to work well, problems could arise later with repairs (an important point to consider when buying a camera). Beware of extra-low tags, particularly, in 35mm compacts. They could be fakes.

Chainsaw Hazard Reduced

All major chainsaw manufacturers are bringing out devices that greatly reduce "kickback," which is estimated to cause about 20,000 injuries each year. "Kickback" occurs when the saw meets sudden resistance—usually inadvertent contact of the nose against wood—causing the machine to jump up and rear.

Solution to the problem is to change the configuration of the chain. The upshot is a variety of chains whose common feature is a guard link in front of the cutters to keep them from snagging and gouging.

Buy Movie Videocassettes?

Several Hollywood movie studios have started slashing the prices of videocassettes by as much as 50 percent, bringing the cost of a feature picture down from \$80 to less than \$40. The idea is to lure VCR users into buying cassettes rather than renting them; rentals usually are in a \$3 to \$10 range.

Typewriters Going Electronic

The latest addition to the typewriter family, to be backed by heavy promotion, is the "electronic" machine. It differs from electric and all-mechanical typewriters in that most of the working parts have been replaced by electronic circuitry that activates a "daisy wheel" printer, a rotary device whose spokes, or "petals," are tipped with letters and symbols.

Major selling points of the newcomers are weight reduction (some portables are down to five pounds), reliability and versatility. Several models can do calculations and can be hooked up with computers to serve as printers. Current prices start at around \$300, about twice those of electric typewriters.

By Edgar A. Grunwald

Tick Tock Tick Tock Tick Tock

If you've ever considered buying a home at Veterans Village on Florida's West Coast, we congratulate you for being so smart. On the other hand, if you haven't purchased one yet, time is running out. Quickly.

Veterans Village is very near completion. Only a few of these terrific homes on fully sodded and landscaped lots remain at prices from the \$40s.

However, by filling out and mailing the coupon below, you will receive important information about our homes, our community and how to cash in on these great housing values before it's too late. We're telling you all this because once you're out of time...you'll also be out of luck.



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(I plan to visit Florida on: _____)

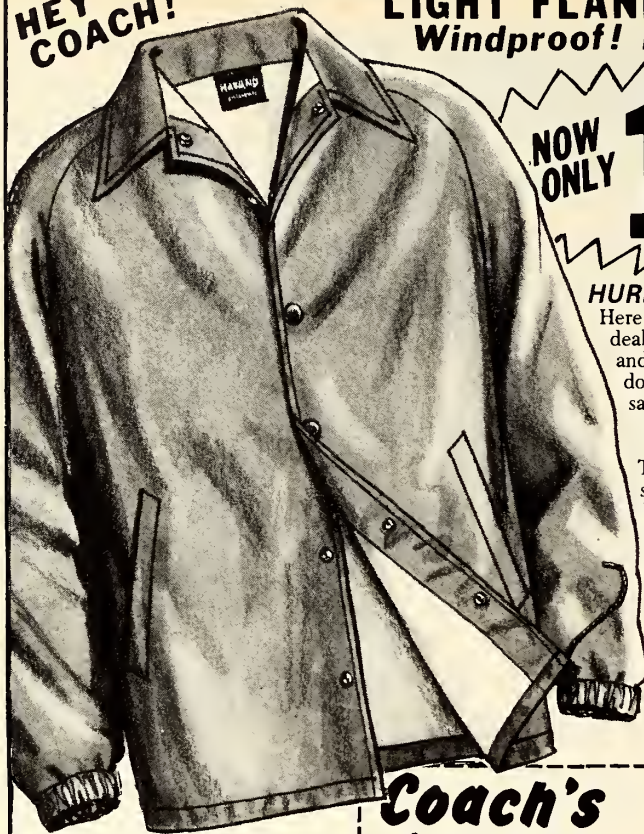
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FIND YOUR SIZE			
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XL 46-48	XXL* 50-52	XXXL* 54-56	

Coach's Jacket

12⁹⁵
2 for 25.50

Or take all 3 for 37.50

*Please add \$3 per jacket for sizes XXL and XXXL

Color	387	Qty.	Size
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Burgundy	b		
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OUTFIT REUNIONS

Continued from page 44

LCI (R) 765 (1944-46) (June-Warroad, MN) Hank Henderson, 507 Riverview Dr., Box 125, Warroad, MN 56763, (218) 386-1579

Navel Air Station, Banana River, FL (Apr-Cocoa, FL) Bob Grier, Rt. 2, Box 31, Seale, AL 36875 (205) 855-3441

Navy Seabee Vets of America (Aug-Tucson, AZ) David Gordon, 555 N. Pantano Rd., Box 231, Tucson, AZ 85710, (602) 886-6029

P.T. Boale Inc. (Aug-Houston) Boats Newberry, Box 109, Memphis, TN 38101, (901) 272-9980

U.S. Navy Armed Guard Vets (WWII) (June-Austin, TX) Charles Lloyd, 5712 Partridge Ln., Raleigh, NC 27609, (919) 872-7115

VC-4 Composite Sq. (Sept-Atlantic City, NJ) Joe Frates Jr., 159 Acushnet Rd., Mattapoisett, MA 02739, (617) 758-6534

USS ABSD 4 (WWII) (Aug-Saulte Ste. Marie, MI) Joseph Sikora, 5081 S. Center Rd., Grand Blanc, MI 48439, (313) 694-8268

USS Abercrombie DE 343 (May-Charleston, SC) A. P. Presnell Jr., 2040 Coker Ave., Charleston, SC 29412, (803) 762-0540

USS Aleutians BB 60 (Apr-Mobile, AL) John Brown, Box 501, Keller, TX 76248, (817) 431-2424

USS Alaska CB 1 (June-Allentown, PA) F. E. Kovalsky, 25 Shelly Ave., Staten Island, NY 10314, (212) 698-0034

USS Anileam CV 36 (May-San Diego) Don Wade, 560 Campbell Hill, Mariette, GA 30060, (404) 422-7369

USS Beatty DD 640 (May-Muskogee, OK) Bryce Wilde, Rt. 7, Box 62, Muskogee, OK 74401, (918) 683-5008

USS Biloxi CL 80 (May-Virginia Beach, VA) Hugh Eubank, 1333 Conrad Ln., Virginia Beach, VA 23454

USS Capps DD 550 (Aug-Vail, CO) Robert Sperling, 4691 W. 4365 South, Salt Lake City, UT 84120, (801) 966-4381

USS Chaw DD 106 (Dec-Caribbean Cruise) Jesse Pond Jr., Box 205, Sperryville, VA 22740, (703) 987-8515

USS C.K. Bruneon DD 668 (Korea 1953) (May-Columbus, OH) Ken Sullivan, 10715 N. Robinson Ct., Peoria, IL 61615, (309) 691-5784

USS Colorado (Oct-Kansas City, MO) Jack Dorfliinger, Rt. 1, Box 104A, Peculiar, MO 64078, (816) 258-6871

USS Cophee CVE 12, VGS 12 (Sept-Nashville, TN) Joe Downs, Rt. 5, Box 130, Huntsville, AR 72740, (501) 738-6374

USS Cotton DD 669 (Aug-Philadelphia) Walter Shollmier, 1828 Pernassus, Memphis, TN 38108, (901) 377-9599

USS Crowley DE 303 (Oct-Norhampton, MA) Maurice Callahan, Rt. 1, Box 451, Lee, MA 01238, (413) 243-2839

USS Foe DE 59 (Oct-Charleston, SC) Kimber White, 10 Sweetbriar Dr., Newport News, VA 23606, (804) 595-3368

USS Hissem DE 400 (Oct-Philadelphia) Leonard Lusebrink, 1809 Morris Ave., N. Huntingdon, PA 15642, (412) 863-3505

USS Ideho BB 42 (June-San Diego) USS Idaho BB 42 Assn., Box 11247, San Diego, CA 92111

USS Kidd Aesn. Destroyer Sq. 48 (USS Abbot, Bulferd, Bleck, Chauncey, Erbin, Hale, Siembiel, Welker) (Aug-Fort Pierce, FL) George Barbero, 41 Vierling Dr., Ferguson, MO 63135

USS LePorte APA 151 (Aug-Nashville, TN) John Warner, 67 Jacobs Hwy., Binghampton, NY 13901, (607) 722-1342

USS Lerk ATO 168 (June-Denver) Kenneth Marsh, 5330 S. Sherman, Littleton, CO 80121, (303) 781-5929

USS L.S.M. 147 (June-Pittsburgh) T. N. Taylor, 416 E. Lincolnway, Lisbon, OH 44432, (216) 424-5793

USS LST Flotilla 7 (Southwest Pacific, WWII) (June-Annapolis, MD) Peter Ruffenach, 3603 Zenith North, Minneapolis, MN 55422, (612) 588-4114

USS LST 694 (Sept-Jeffersonville, IN) Robert Kirsch, Rt. 4, Box 117, Evens City, PA 16033, (412) 538-8151

USS LST 981 (June-Jacksonville, FL) Ed Szabla, 11165 Windy Oaks Dr. N, Jacksonville, FL 32225, (904) 642-0805

USS Nevada Aesn. (Aug-Eugene, OR) Roland Eberhardt, 949 Crest Dr., Eugene, OR 97405, (503) 343-2016

USS Newcomb DD 586 (June-Boston) Ralph Knight, 542 Washington St., Gloucester, MA 01930, (617) 283-8331

USS New Jersey BB 62 (Oct-Atlantic City, NJ) Edwin Fogelson, 193 Spring St., Newton, NJ 07860, (201)

Continued . . .

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OUTFIT REUNIONS

... Continued

- 383-9783
USS New York BB 34 (1916-46) (Oct-Pittsburgh) John Simpson Jr., 21270 Tracy Ave., Euclid, OH 44123, (216) 261-7790
USS Pensacola CA 24 (June-Fort Worth, TX) Loyd Bransom, 1028 N. Sylvania Ave., Fort Worth, TX 76111, (817) 834-3477
USS Rinehart DE 196 (June-Pittsburgh) Franklin Hixson, Box 1261, Uniontown, PA 15401, (412) 439-8315
USS Shangri La CV 38 (June-Cleveland) Robert Kissig, 6018 Harrison, Mentor, OH 44060, (216) 257-2434
USS Southern Seas PY 32 (May-Chicago) George Leutz, 1529 E. 51st St., Brooklyn, NY 11234, (212) 241-6788
USS Sproston DD 577 (WWII) (Sept-Atlanta) George Ress, 35 Briarwood Dr., Poughkeepsie, NY 12601, (914) 462-4696
USS Stickle DD 888 (1948-52) (May-Las Vegas, NV) Jim Bailey, 1453 Crestline Dr., Santa Barbara, CA 93105, (805) 569-0956
USS Wadleigh DD 689 (June-San Diego) Walter Winn, 809 Margarita Ave., Coronado, CA 92118, (714) 435-8790
USS YMS 260 (WWII) (June-Cincinnati) Charles Legge, 5190 Dundas Dr., Cincinnati, OH 45238, (513) 451-7337

Air Force

- 7th Photo Group, 8th A.F. (June) Claude Murray, 1933 E. Marshall, Phoenix, AZ 85016, (602) 274-5871
20th Combat Mapping Sq. SWP (WWII) (July-Dayton, OH) LTC David Ecoff, 13850 Tulane, Brookfield, WI 53005, (414) 784-3946
40th Bomb Group Assn. (Oct-Williamsburg, VA) Ira Matthews, 1805 N. Indian Creek Dr., Mobile, AL 36607
56th Serv. Sq., 31st Serv. Group, 20th A.F. (Guam) (May-Jackson, MS) Halbert Clark, Rt. 1, Box 439, Waynesboro, MS 39367, (601) 735-9862
63rd Station Complement Sq., 9th A.F. (WWII) (June-Chicago) The O'Connors, 721 E. 169th St., South Holland, IL 60473, (312) 596-8535
72nd Troop Carrier Sq., 434th Troop Carrier Group (Aug-Dayton, OH) Edward Ginal, 246 DePont Ave., Tonawanda, NY 14150, (716) 877-6199
91st Bomb Group (H) Memorial Assn., 8th A.F. (Supporting Units) (Wray's Reg'd Irregulars) (Basingstoun, Eng.) (WWII) (Sept-Colorado Springs, CO) George Parks, 109 Wilshire Ave., Vallejo, CA 94591
91st Sq., 439th Troop Carrier Group (June-Fort Worth, TX) Milton Dank, 1022 Serpentine Ln., Wyncote, PA 19095 (215) 887-2014
173rd Airborne Brigade (Sky Soldiers) (Mar-Fayetteville, NC) Society of the 173rd Airborne Brigade, Box 313, Spring Lake, NC 28390
416th Bomb Group (WWII) (Apr-Hot Springs Nat'l Park, AR) Dolphus, Whitten Jr., Box 792, Arkadelphia, AR 71923, (501) 246-2223
454th Bomb Group (H), HQs; 736th; 737th; 738th, 739th Bom Sqdns. (Oct-Orlando Springs, CO) Ralph Branstetter, 3765 Holland St., Wheat Ridge, CO 80033, (303) 422-6740
462nd Air. Serv. Sq., 9th A.F., 358th Ftr. Group (Orengetales) (WWII) (May-Venice, FL) John Monahan, 5081 Heron Rd., Venice, FL 33595, (813) 493-3027
574th Signal Air Warning Bn. (WWII) (July-St. Louis) Charles McGaffin, San Mateo Rd., San Mateo, FL 32088
"A" Co., 596th S.A.W. Bn. (June-Louisville, KY) Edward Fulton, 1224 Randall Dr., Chillicothe, OH 45601, (614) 773-5906
Anzio Beechhead Vets of WWII (Mar-Orlando, FL) Joe Lombard, 1246 Old Mill Rd., Orlando, FL 32806

Army Air Corps

- 45-17B Bombardiers (Childress Airfield, TX-1945) (June-Las Vegas, NV) Art Goss, 302 Pleasure Dr., Yorkville, IL 60560, (312) 553-5252
453rd Bomb Group (H) (Old Buckenham Airfield) (Oct-Palm Springs, CA) Donald Olds, 1403 Highland, Rolla, MO 65401, (314) 364-5817
456th Bomb Group Assn. (WWII) (June-Italy) James Watkins, 11415 Minor Dr., Kansas City, MO 64114, (816) 942-5594
583rd Bomb Sq. (Sioux City, IA, 1943-45) (Aug-Grove, OK) F. M. McKim, Rt. 2, Box 135, Grove, OK 74344, (918) 786-3376

Continued...

1-Carat Emeralds

\$4 Apiece

This is *NOT* a Misprint.

A letter from the President of Carter & Van Peel

Dear Reader:

Today the famous New York jewelry firm of Carter & Van Peel, of which I am President and Chairman of the Board, has begun removing 1-carat emeralds from its New York corporate vault and will distribute them, on a first-come basis, for only \$4 apiece to every person who mails this ad to the company address (below) before Midnight, May 31, 1984.

All emeralds are 1-carat in size or larger (some may be as large as 1½ carats) and will be accompanied by a Certificate of Authenticity to that effect issued by gemologists of the firm of L.G.P. Gem, Ltd., of New York.

All emeralds are genuine precious stones of the same size and quality that the firm of Carter & Van Peel regularly sells to its customers and advertises in leading publications such as *The New York Times*.

All emeralds are completely finished stones, each one cut, faceted and polished, ready to be displayed in a collection of precious stones or set in jewelry of the owner's choice.

These emeralds will not be sold at this price by the company in any store. To obtain one at this price, mail *this original printed ad* to the company address below no later than Midnight, May 31, 1984.

Why do we offer genuine emeralds for \$4 apiece?

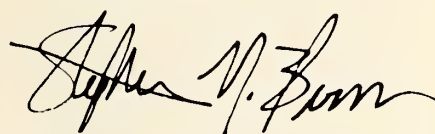
Being neither philanthropists nor saints, we at Carter & Van Peel expect to gain far more than we lose from this publicity campaign. Our firm is already well known to the public as one of the largest direct marketers of diamonds and precious stones in America. We expect this publicity campaign to make us *the* largest, and to increase our yearly sales by millions of dollars.

We will also gain the names of persons such as yourself, who will constitute a valuable roster of potential clients to whom we can mail announcements of future sales.

As we readily admit, this publicity campaign is unashamedly profit-oriented and self-serving. If you accept in the same spirit, I think we shall both be well pleased—or your money will be speedily refunded.

There is a limit of two (2) emeralds per address at this price, but requests which are mailed early enough (before May 25) may request as many as seven. Therefore I suggest you respond promptly—or forever regret an extraordinary opportunity missed.

Sincerely,



President and Chairman of the Board,
Carter & Van Peel, New York

TO OBTAIN YOUR EMERALD: Mail *this original printed ad* (copies or photostats are *not* acceptable) together with your name and address and \$4 for each emerald. Add only \$2 shipping and handling no matter how many emeralds you are requesting. Allow up to 6-8 weeks for shipment. Mail to: **Carter & Van Peel, \$4 Emerald Offer, Dept. 570-15, Box 1739, Hicksville, N.Y. 11802.** (V23782)

NOTE: All emeralds are covered by a full money-back guarantee. For your protection, they will be self-insured by the company and shipped direct from our corporate vault in New York.



Now. Save money on instant support for your legs!

These fashion-right hose can put bounce in your step, as they put money in your pocket.

Stock up now, and save. We cut out the middleman, and deal in huge quantities...so we can pass the savings on to you.

These are top quality support hose, that gently support and massage your legs with each step you take. Helps you feel great all through your busiest days in luxurious comfort. So good, they are guaranteed for five years. Order now and save.

FOR MEN AND WOMEN. ITEM 6402-606

Sizes: Medium (Shoe sizes 6-10) Large (Shoe sizes 10-13)
Available in Black, Navy and Brown.

5 YEAR GUARANTEE!

If they prove unsatisfactory anytime in the next 5 years, we'll replace them with a BRAND NEW pair. Cheerful refund of the purchase price, less postage and handling, within 30 days. Just return with sales slip.

Reg. \$3.45 pr. **NOW** buy 4 pair
and you get 2 pr. **FREE!**

...that's 6 pair **\$2.60**
at less than a pair



Order Now!
Just fill in this coupon.

Charge Orders CALL
1-516-868-0800
Please ask for Dept. 81794



J. M. Devrey, Inc. Dept. 81794
210 Hanse Ave., Freeport, N.Y. 11520-0800

Please rush item 6402-606 ☐ 1 pr. for \$3.85

☐ 6 pr. for \$15.40 (Save \$7.70)

SAVE MORE! Less than \$2.30 pair!

☐ 12 pr. for \$27.50 (Save \$18.70)

Shoe size _____ Color _____

☐ Ms. ☐ Mrs.

☐ Mr. (Print)

Address _____

City _____

N. Y. Residents
Add Sales Tax
Post & Handling

Mdse. Cost
\$2.50
Total

Check type of payment:

☐ PREPAID. I enclose check or money order for total amount.

☐ C.O.D. I enclose \$5 deposit.

CHARGE TO:

☐ Visa

☐ MasterCard

Card No. _____

Expires _____

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Make up to \$12.50 an hour

Start your own money making business!

Hundreds of Foley-Belsaw trained men have succeeded in this fascinating and highly profitable field.

YOU Can Do It Too!

BE A LOCKSMITH

Never before have money-making opportunities been so great for qualified locksmiths. Now lucrative regular lock and key business has multiplied a thousandfold as millions seek more protection against increasing crime. Yet there's only one Locksmith for every 17,000 people!

Train FAST at Home - Collect CASH PROFITS Right Away.

You're "in business" ready to earn up to \$12.50 an hour a few days after you begin Foley-Belsaw's thorough training. Take advantage of today's unprecedented opportunities in Locksmithing for year-round EXTRA INCOME in spare time — or full time in a high-profit business of your own. Hundreds we've trained have done it, so can YOU! All tools plus professional Key Machine given you with course. These plus practice materials and equipment — plus simple, illustrated lessons, plus expert supervision, plus business building guidance will enable you to KEEP THE MONEY COMING IN! Ideal for retirement — good jobs too.

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This Pro Key Machine can alone add up to \$200 a month to your income. And it won't cost you a penny extra with your training. Find out all about it! **RUSH COUPON!**

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Please mail your **FREE** brochure.

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City-State _____

Zip _____

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OUTFIT REUNIONS

... Continued

Coast Guard

USS Mosley DE 321 (Aug-Houston) James Mead, 2 Ward Ave., Wyckoff, NJ 07481 (201) 891-7899

USS Roger B. Taney (Aug-Everett, WA) Henry White, 4213 171st Ave., Snohomish, WA 98290, (206) 568-6319

Miscellaneous

Canadian WAC's Military Band (1942-46) (June-Bartlesville, OK) Bernice Houghton, 2370 London Ln., Bartlesville, OK 74006, (918) 333-3399

World War II Marine/Navy Paratroopers (June-San Diego) Col. D. E. Severance, Box 1972, LaJolla, CA 92038

LET'S GET TOGETHER

As announced last month, "Let's Get Together" is a new column, designed to help Legionnaires who are interested in organizing outfit reunions. Requests for inclusion must list the appropriate military or naval unit designation and the name, address and (if desired) telephone number, including area code, of the person to be contacted. Submit requests to "Let's Get Together," THE AMERICAN LEGION MAGAZINE, P.O. Box 1055, Indianapolis, IN 46206. Only one notice will be accepted from any one person per year; publication will ensue as available space permits.

Army

16th A.D. Lester Bennett, 8-329 Road P-3, Rt. 5, Napoleon, OH 43545, (419) 592-1109

104th, 249th F.A. Lt. R. H. von Hasseln, 9305 168th St., Jamaica, NY 11433, (212) 739-0421

179th Inf. Regt. Assn., 45th Inf. Div. Harlos Hatter, 3205 NW 52nd, Oklahoma City, OK 73112

657th Engr. Topo Bn. Galen Dively, Claysburg, PA 16625, (814) 239-2253

"B" Btry., 464th C.A. AAA Bn. CBI. Kelly Fletcher, Rt. 1, Box 262, Big Stone Gap, VA 24219

"C" Btry., 923rd F.A. Bn. WWII. Napoleon Goulos, 40 Prospect St., Peabody, MA 01960

Navy

USS Appanoose AK 226. Roy Yoesting, 504 Harward Ct., Edmond, OK 73034, (405) 341-9523

USS Pine Island AV 12. Frank Gorthy, Box 416, Ewart, MI 49631, (616) 734-2833

USS Queen APA 103 (WWII). John Chernoff, 73 Don St., E. Patchogue, NY 11772

USS Surprise PG 63. Leland Cecil, 6443 Via Townsend, W. Palm Beach, FL 33406, (305) 684-8637

Air Force

13th Wing, 571st Sq., 390th Bomb Group (Miss You). George Kovaly, 1817 Gray St., Port Vue, PA 15133

Marines

Marines (Peking, China-1936-38). Ken Kauffman, 747 Florida Ave., York, PA 17404

2nd Engr. Bn., Div. Special Troops, 2nd Marine Div., Hugh Cronk, Box 86, Powhattan, KS 66527

Women Marines Assn. Nita Warner, P.O. Box 86002, Madeira Beach, FL 33738, (813) 391-3193

TAPS

The Taps Notice mentions, whenever possible, those recently deceased Legionnaires who have held high National or Department Office in the Legion, United States government, or other forms of national prominence.

Vaughn E. Miller, MI Department Vice Commander (1977-78).

Earl Francis Ganschow, MI National Executive Committeeman (1951-53), Alternate National Executive Committeeman (1949-51), Department Commander (1946-47).

John Lefebvre Gayle, VA Department Commander (1971-72).

Creswell Vance, KY Department Commander (1976-77), Department Vice Commander (1974-75).

E. Lester McCoy, KS Department Commander (1927-28).

Save Gas, Save Engine with 'POLY'

The following introduces one of the most fully tested and credentialed gas saving, friction reducing engine treatments ever to reach the market!

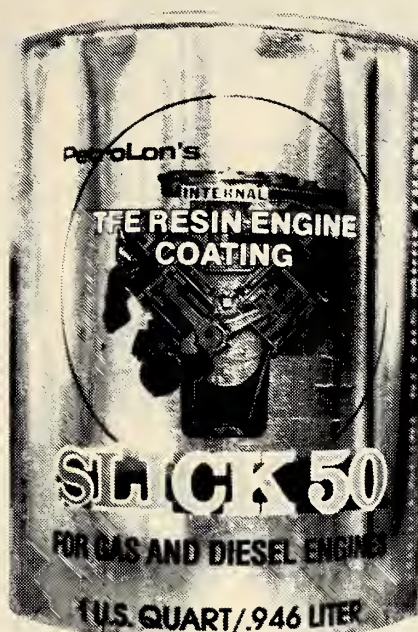
WHAT IS POLY? "Poly" is short for polytetrafluoroethylene (TFE). It is the slipperiest substance known to man (1981 Guinness Book of World Records, p. 188). The PetroLon Corporation, makers of Slick 50, has invented a way to permanently bind this slippery chemical to your engine with one treatment. All you do is add one quart of Slick 50 to your oil during oil and filter change. By reducing engine friction, Slick 50 increases gas mileage and horsepower and reduces engine operating temperature thus causing your oil and engine to last longer. Just as important, it reduces metal wear, defraying costly overhauls.

HOW DO I KNOW THIS ISN'T A FRAUD? Slick 50 has some very impressive credentials. The "Consumers Digest" magazine (March/April 1982, p. 35) states "Slick 50 does reduce engine heat and ordinary wear, and our informal tests indicate that it will improve gas mileage by about 2 or 3 miles per gallon." Researchers at the **Franklin Institute Research Laboratory**, after applying a powerful ultrasonic cleaning process to a Slick 50 treated engine part, were surprised at its permanence. They stated, "We actually expected the PetroLon Slick 50 TFE Resin coating to also be removed, but later found it was still there."

The FAA (Federal Aviation Administration) has fully accepted Slick 50 Aircraft Piston Engine Treatment (F.A.R. #33.49). An FAA test simulating 1400 hours of engine use (equivalent to about 70,000 miles on a car) showed almost zero engine wear!

Twenty-five hundred miles after removing Slick 50 from the crankcase, tests done at the **University of Utah Engineering Experiment Station** showed that the benefits of Slick 50 were still there. They reported a horsepower increase of 16.9% and 9.9% for light and heavy loading respectively. The senior engineering researcher at the **University of Southern California** in San Diego stated this, "Slick 50 does increase horsepower and decreases fuel consumption in tests done at the university." The **Space Shuttle Columbia** uses the chemical "poly" in its gears and bearings because it is the only chemical lubricant which can withstand the heat and corrosive elements of space.

Perhaps most dramatic of all is a torture-test overseen by the **Automotive Services Council for Pennsylvania** and



shown on television station WTVE. Three cars with between 75,000 and 129,000 miles on them were treated with Slick 50. Six months later the oil was drained from each vehicle and the cars were driven without the oil plugs for about a half hour. The water temperature never rose and the engines sustained no apparent damage. The Southwest Daily Times (Dec. 19, 1982, p. 6), reports that a man from Liberal, Kansas, flew his airplane without oil for 30 minutes. There are many more tests available. If you are still skeptical, send \$2.00 to defray printing and postage costs and we will send you additional, more detailed, test information, etc.

HOW DO YOU TREAT AN ENGINE? Very simply. A few minutes before oil and filter change add engine flush (sent free with each order) to clean out your engine. Let your engine idle for 5 minutes. Then drain your oil, change filters and add the proper amount of oil less one quart. Add one quart Slick 50, drive for 30 minutes, and leave it in the crankcase for 3,000 miles. As the engine operates, the oil carries the polytetrafluoroethylene between the parts where it is burnished into the pores of the metal. Once impregnated it is permanent, so you do it only once, not each time you change oil. One quart of Slick 50 will treat all standard 4, 6 and 8 cylinder gasoline and diesel engines.

WILL IT WORK WITH MOST OILS? Yes, Slick 50 will work with all petroleum based oils and all synthetics that are compatible with petroleum based oils. An exception is graphite oils. However, once an engine is treated, you can go back to a graphite type if de-

sired.

WHAT ARE THE BENEFITS OF SLICK 50? Your actual benefits in percentages may vary, depending on the kind of driving you do, vehicle condition, etc. By reducing friction, Slick 50 does all of the following: It increases gas mileage. It increases horsepower — small economy cars and large RV's really need this. It makes for easier starting. It reduces operating temperatures, thus increasing the lubrication and life of your oil and your engine. Last but not least, the drastic reduction in engine wear defrays or eliminates costly overhauls which can save you over \$1,000.00. Slick 50 eliminates the "lubrication starvation" that all cars experience when first started before the oil has a chance to circulate. Up to 90% of the wear on a car can be caused by this lubrication starvation. You receive all of these benefits for less than the cost of two tankfuls of gas (\$34.95).

WILL SLICK 50 HARM MY ENGINE OR AFFECT MY WARRANTY? No! Slick 50 is suspended in an excellent grade of petroleum oil which meets or exceeds every manufacturers engine warranty requirements. In addition, Slick 50 carries an API (American Petroleum Institute) service classification SF-CC-CD. It also carries the military specifications MIL-L-21046 and MIL-L 46152-A.

DEALERSHIPS ARE AVAILABLE.

OTHER SLICK 50 PRODUCTS available are Small Engine Treatment (for 2-cycle engines), Aircraft Engine Treatment, Gear Treatment (manual transmissions, etc.), Grease, Ultra 9 Oil, Fuel Conditioner, and Fabric Protector. Free information is sent upon request.

Free engine flush sent with each order. Free shipping with orders of 2 or more.

For purchase or further information, call toll free 1-800-228-6505, ext. 180 (in Nebraska call 1-800-642-9606) or send to: **FT. MORGAN SLICK 50, 15160 Hwy. 144, #7, Fort Morgan, CO 80701.**

-
- ☐ I enclose \$34.95 + \$4.00 shipping and handling.
- ☐ I want 2 or more (free shipping & handling).
- ☐ Check ☐ C.O.D. ☐ Visa/MC

Card # _____ Exp. _____
AL 3
Name _____

Address _____
(Give Street Address if possible for U.P.S. Delivery)
City _____
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Tall & Big Men

Send for this **FREE** catalog

Finally, you can get a good selection of great-looking clothes that fit!

Instead of getting sold short in stores that carry only a limited selection in your size, send for pages of smart-looking clothes guaranteed to fit!



What a guarantee!

Your order from The KING-SIZE Company is **GUARANTEED**... both BEFORE and AFTER Wearing. Washing or Dry Cleaning. Unless you are fully satisfied, you may send it back for a full refund or exchange.

IT'S ALL HERE!

- ★ Brand-name shirts up to 22" neck and 38" sleeve
- ★ Slacks and jeans to 60" waist and 38" inseam
- ★ Jackets and outerwear to size 60
- ★ Shoes, boots, work shoes, and sneakers to size 16EEE

FREE 88 PAGE COLOR CATALOG

PLEASE SEND YOUR LATEST FULL COLOR CATALOG

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Do your own work,
do it your own way,
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● Build your own road or landscape your home ● Dig a pond or swimming pool ● Clear brush and haul firewood ● Excavate for a patio, basement or solar addition... Do it all yourself and **SAVE** with a Magnatrak Bulldozer Kit! Do work for others in your spare time for extra cash. 1000's of Magnatracs in use. **SAVE MORE**, buy Kit factory-direct; assemble it in a weekend... Send Now For:

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Make \$25 to \$100 per hour

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Yes, it's really possible by making and selling bright, colorful Badge-A-Minit buttons. Buttons are proven money-makers at fairs, flea markets, conventions, or anywhere people congregate. Buttons are fast and easy to make with Badge-A-Minit, and inexpensive. Button parts cost only pennies each, finished buttons sell for much more.

Send for a FREE 48 page catalog PLUS a FREE 24 page idea book, or send for a Starter Kit with everything you need to get started, only \$24.95 plus \$1.75 shipping. (IL residents add \$1.25 tax)
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NEW! 3M HAIRPIECE TAPE

- Surgical Quality • Super Holding
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DIRECT FROM U.S. OPTICS™ QUALITY SUNGLASSES AT FACTORY PRICES

Each pair features: Impact resistant lenses • Handcrafted • Polished glass lenses • Hardened metal frames • No non-sense guarantee.

FREE—limited time only—deluxe velvet lined case with each pair of glasses ordered (a \$3.00 value). Credit cards accepted. Dealer inquiries invited.

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Only
\$7.95

World Famous Pilot's Glasses

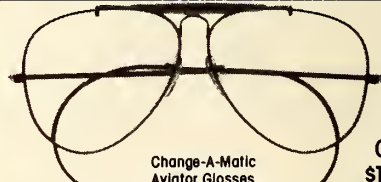
#20P These precision flight glasses are now available to the public for only \$7.95. If you could buy them elsewhere, they'd probably cost you over \$20.00, available in gold or silver frames. A \$20.00 value only \$7.95 **2 pairs for \$14.00.**



Only
\$9.95

Aviator Teardrop
Flight Glasses

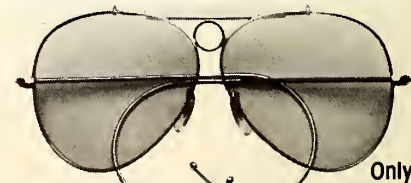
#30A Flexible cable temples, gold frame only.
A \$30.00 value only \$9.95 **2 pairs for \$18.00.**



Only
\$14.95

Change-A-Matic
Aviator Glasses

#30C Lenses darken outdoors, change back to lighter tints indoors. gold frame only. A \$30.00 value only \$14.95 **2 pairs for \$28.00.**



Only
\$14.95

Professional Driving & Shooting Glasses

#30D Wide angle amber lenses brighten visibility, gold frame only. A \$30.00 value only \$14.95 **2 pairs for \$28.00.**

To order your U.S. Optics™ sunglasses, send check or money order to U.S. Optics, Dept. 307, P.O. Box 14206, Atlanta, Georgia 30324. Credit card customers please fill in card # and Exp. date.

QUANTITY	MODEL #	GOLD	SILVER	PRICE
	20P			
	30A	X		
	30C	X		
	30D	X		

Add Postage, Handling, and Insurance
\$1.00 per pair

Total _____

Credit card orders may call 1-404-252-0703.

Visa or MasterCard # _____ Exp. Date _____

Name _____

Address _____

City _____ State _____ Zip _____

FREE case with each pair.

Wonder Weapons

Continued from page 19

targets in the US and allied nations.

In the words of Gen. Graham, the proposed defense system "represents a long overdue rejection of the 'Mutually Assured Destruction' theory, which held that the only effective deterrent to nuclear war was a permanent threat by the US and the Soviet Union to heap nuclear devastation on the cities and populations of each other." As it happens, said Graham, the Soviets never went along with the doctrine of MAD—"perhaps the most apt acronym ever devised in Washington"—and the result has been "the near-total dismantlement of strategic defenses we once had."

Of less comfort, however, is the likelihood that nuclear weapons will remain in the arsenals of both East and West. While the Soviets continue to build on their already alarming advantage in missile numbers and throw-weight, the US also is moving to modernize its stockpile of nuclear missiles and warheads. In production

"The Soviets continue to build on their already alarming edge."

are seven types of warheads for nine weapons, with another five new warhead models nearing production. They range from the mighty 10-warhead MX, aimed at offsetting Russia's enormous first-strike SS-18s, to a 58-pound atomic-demolition charge destined to destroy bridges in advance of enemy armor. Also back on the production track is the so-called neutron "bomb"—actually an artillery-type projectile—devised to wipe out enemy tank crews through "enhanced radiation" rather than by widely destructive atomic blast.

Among the most formidable offensive weapons in the US arsenal is the cruise missile. Fired from land, sea or air, the cigar-shaped CM compensates for its comparatively slow speed—about 550 mph—by flying low over hostile territory, twisting, turning and dodging enemy strongpoints to strike targets with amazing precision. A CM armed with a conventional warhead can fly more than 1,500 miles and hit

Continued . . .

MUST LIQUIDATE AT BELOW DEALER COST! 4000 Watt, Gas Operated, Emergency Power Generator

FACTORY NEW! FACTORY PERFECT!

DON'T let a storm rob YOUR home of vital electric power! With this 4000 watt generator, you ALWAYS have a reliable standby source of 115V and 230V plug-in power!

- 8 hp. 4-cycle gasoline engine!
- U.S. made! U.S. quality!
- 1 year warranty!

Over 350 service centers in the U.S.



FOR HOME! Keep sump pump, well pump, appliances operating in case of any power outage.



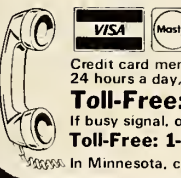
FOR WINTER STORMS! No freezeups or burst water pipes when you have this generator on hand.



IN THE FIELD! A reliable source of portable electric power anywhere.



FOR CABIN or CAMP! In the wilderness, you can enjoy comforts of electricity with this generator.



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PUBLIC NOTICE!

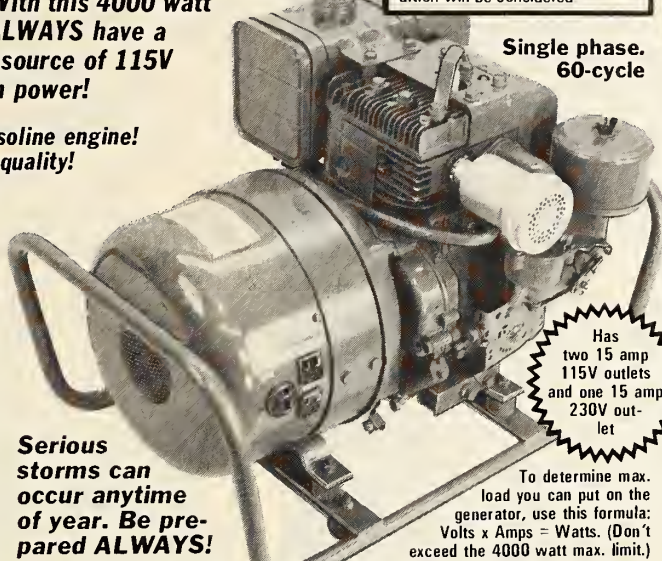
Bankruptcy and Financially Distressed Merchandise!

We are authorized liquidators of inventories that must be quickly sold at sacrifice prices due to a variety of reasons, such as:

Overproduction. Last year's models. Order cancellations. Bankruptcy. Out of season. Plant closings. Economic recession. Financial difficulties. Excessive competition.

If you know of a company with surplus inventories that must be liquidated for immediate cash, call us Toll-Free: 1-800-328-0609. Only products in perfect operating condition will be considered.

**Single phase.
60-cycle**



Has two 15 amp 115V outlets and one 15 amp 230V outlet

To determine max. load you can put on the generator, use this formula: Volts x Amps = Watts. (Don't exceed the 4000 watt max. limit.)

Serious storms can occur anytime of year. Be prepared ALWAYS!

A storm could knock out your electrical power for hours, or for days! Food could spoil in your refrigerator. A motor in your furnace could stop running in winter and leave your family shivering in the cold. A well could stop pumping water needed for cooking or bathroom facilities. The losses could cost you up to hundreds of dollars . . . or maybe even much more! And think of all the discomfort and inconvenience!

But, you never have to worry when you have this excellent quality portable generator. It's U.S. made! And it provides you with 3 convenient plug-in outlets for 115V and 230V service . . . 15 amps at each outlet. Just put oil in the crankcase, pour gas in the tank, and start the engine.

Use the generator to run your lights, a sump pump, well pump or power tools, etc. Plug in small kitchen appliances, a refrigerator, freezer, etc. Of course, you can't run everything at one time. (Remember the 4000 watt limit.) But you CAN run enough things to keep vital functions operating as you need them.

- 4-cycle, single cylinder engine.
- Produces 8 hp. at 3600 rpm.
- Recoil start. Manual choke.
- 4-qt. gas tank. Uses about .83 gal. per hr. at full load. (Runs longer with less load.)
- Chrome plated piston and aluminum alloy cylinder help dissipate heat for cooler running.
- Size: 17½"W x 25"L x 18"H.
- Shipping weight: approx. 140 lbs.

**Compare at over
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OUT THEY GO AT ONLY:
\$488**

Price subject to change after 60 days. Offer void outside original 48 states.

Pushbutton electric start model available at \$588

Electric start model requires 12V battery (not incl.) or jump start.

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Ship me the 4000 watt Generator(s). (Indicate how many.):
☐ No. 1196 Manual Start at \$488 each.

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I will pay shipping charge to driver upon delivery. (Allow 4-5 weeks for delivery. Add 2-3 weeks extra if paid by check. Sorry, no C.O.D. orders. Minn. residents add 6% state sales tax.)

☐ My check or money order is enclosed.

Charge my: ☐ MasterCard® ☐ VISA ☐ Am. Ex. ☐ Diners Club

Acct. No. _____ Exp. _____

PLEASE PRINT CLEARLY

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Address _____

City _____

State _____ ZIP _____

Phone _____

Sign here _____

Rural Route Customer: If truck carriers do not normally deliver to your home, include note with this order stating town address of nearest store, friend or truck terminal to ship to.

Retirees & Second Home Seekers

OWN YOUR FLORIDA HOME*

(not a mobile home)

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Wonder Weapons

... Continued

within 30 feet of a target. It can do so by using an electronic eye that compares the scene below with a picture of the target carried in its memory bank. The Pentagon's Defense Mapping Agency, utilizing satellite data, has more than a million such maps of Soviet terrain.

Scenarios for "star wars" aside, the Pentagon's Defense Advanced Research Projects Agency is well along in the development of new and ever more wondrous computers. Among DARPA's priorities is a technology combining high-powered computers with "artificial intelligence." The cost could exceed \$1 billion. But the result would be a whole new breed of "smart" robot weapons—drone aircraft, unmanned submarines and land vehicles—designed to perform complex and dangerous military operations automatically and without human risk. DARPA's "thinking machines"

"The Soviets have the world's largest [R&D] manpower base . . ."

one day could also serve as battlefield advisers and planning coordinators.

At the same time, the Soviets are making a concerted effort on their own. According to a Pentagon analysis, "The Soviets have the world's largest research and development manpower base—estimated in 1982 at over 900,000 scientists and engineers, compared to less than 700,000 in the US. The percentage of Soviet R&D manpower in defense-related work is high—estimates range from 50- to 75-percent of the USSR's scientific and technical force.

"In 1982, the Soviets graduated over 300,000 engineers from their five-year, first degree engineering schools—nearly five times the number graduated by the United States. Approximately 80 percent of Soviet advanced degrees last year were in scientific and technical fields compared with about 40 percent of the US advanced degrees."

The Soviets also have built the world's largest military industrial base, with more than 150 major plants

Continued . . .

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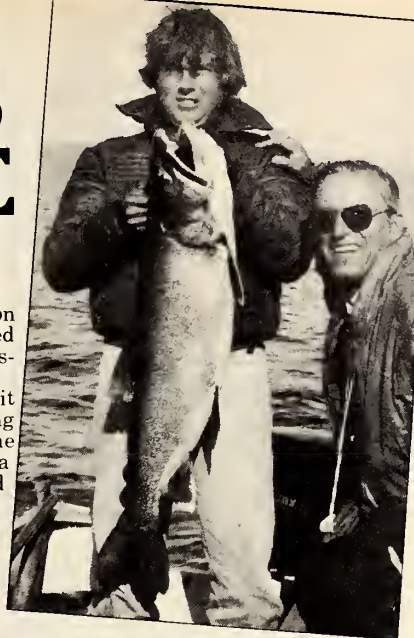
I made this remarkable discovery when my son went on his first fishing trip with me. We hired this old Indian guide in a small town in Wisconsin.

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When I pulled the boat in at noon and paid off our Indian guide, I noticed that a small, unusual seed had apparently fallen from the guide's pocket into the bottom of our boat. The odor from the seed was quite strong and certainly different from anything I had ever smelled before. This was what he had rubbed on Mark's bait!



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When we returned home the next day, I gave the seed to a chemist friend of mine. He analyzed it and duplicated it into a spray for me.

I could hardly wait for my next fishing trip. What I discovered on that trip was absolutely unbelievable. I have never before caught fish like that. Every time I baited my hook, I sprayed it and up popped another fish.

I tested some more. I put spray on one bait and nothing on another. The sprayed bait got the fish almost immediately. The unsprayed bait got some nibbles, but nothing more.

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Wonder Weapons

... Continued

producing ships, planes, missiles, armored vehicles, artillery, ammunition and explosives, supplemented by a network of thousands of "feeder plants." Overall, said the Pentagon, "in recent years the (Soviet) military has absorbed 15 percent of the Gross National Product as compared to less than 7 percent for the US—and if current trends continue, the Soviet military's share of the GNP will approach 20 percent by the late 1980s."

In the critical area of research, development, technology and engineering, the Pentagon estimated

"Congress, concerned with federal deficits, . . . has been reluctant to appropriate all the funds defense planners insist they need."

the dollar costs of the Soviet effort at 70 percent higher than American RDT&E outlays over the past decade. In 1981 alone, the Soviet investment was twice that of the US.

The Pentagon asked for \$29.6 billion for military research in the fiscal year that began Oct. 1, 1983, a modest increase over previous years. A proposed \$167 billion, five-year program would embrace research on missiles, submarines and anti-submarine technology, advanced aircraft, chemical weapons and defenses, communications and intelligence systems and, last but not least, defense utilization of space. But Congress, concerned with federal deficits and huge, controversial cost overruns in the Pentagon's \$98 billion weapons procurement budget for this fiscal year, has been reluctant to appropriate all the funds defense planners insist they need.

Shortages of skilled manpower also threaten the US defense buildup. A recent study by the aviation industry forecasts a potential shortage of aircraft mechanics by 1990; avionics technicians already are too few to meet current needs. Although some 330,000 engineers currently are working on defense R&D, many projects are experiencing slowdowns or stretch-outs due to a lack

of qualified personnel.

The military services themselves have been plagued with shortages of skilled instructors and by the difficulty of many recruits to master the intricacies of today's "gee-whiz" weapons. In some instances, instruction manuals have had to be rewritten to lower "how to" reading levels.

Whatever the problems and whatever the costs of producing these "wonder weapons," the United States can ill afford to fall behind in this crucial race. Tidal W. McCoy, assistant secretary of the Air Force for Manpower, Reserve Affairs and Installations, at a recent Heritage Foundation symposium on defense, drew on the lessons of history: "The Mameluke Dynasty of Egypt (1250-1517 AD), which refused to adopt the technological advantage of guns, was crushed by the Ottoman Turks, who used guns . . . Had Hitler allowed production of the ME 262, the first operational World War II jet fighter in the quantity desired by his generals, you might be reading these words in a German language edition.

"New weapons systems are essential," McCoy continued. "Their characteristics are determined by anticipated or observed changes in the threat and by technological improvements. The issue now is how to use that new technology to meet the threat while reducing the expenditure of resources.

"The bottom line is that defense of this nation cannot rest on yesterday's fortifications. We cannot fall behind a 'Magenot line' of less sophisticated equipment and expect to win a conflict against a force that is both technologically and numerically superior. The national defense effort must continue to be based on sophisticated technological advantages that make our weapons highly capable—and simpler to operate and maintain."

The importance of staying ahead was also on the mind years ago of the late Enrico Fermi, one of the architects of America's first atomic bomb. In a 1949 interview at the University of Rome where he was teaching a course on physics, I asked Fermi his reaction to news that Russia had just test-exploded its first A-bomb. "I'll rest easily as long as I know we're ahead of the Soviets," he said. "If they pull even or go ahead, I no longer shall sleep well."

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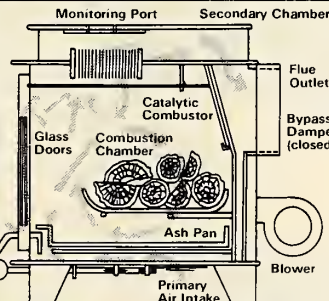
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Literacy Crisis

Continued from page 22

best for all students. But perhaps we can determine which method is best for most students.

My own experience with the problem began more than 30 years ago when, as a college student, I tried to teach my mother to read. Even though she could speak three languages, my mother, an immigrant from Poland and the victim of Old World poverty and neglect, was totally illiterate. I taught her the alphabet, and she learned that well. But then I was not too sure how to proceed, so I started teaching her to read whole words in short sentences. She learned to repeat the sentences, but she did not learn to read.

I didn't know what was wrong. I tried to convey the idea that letters stand for sounds, but I did it rather haphazardly, as if the idea were so

"The method I now use after 25 years research is intensive phonics."

obvious that anyone could catch on to it. It's so simple, I thought impatiently, why can't she learn it? She couldn't, because I didn't know how to teach it.

We use 26 letters to represent 44 sounds. We have five vowel letters but 20 vowel sounds—and more than one way to spell many of them. Because the system has many such quaint irregularities, it has to be taught in a logical, organized sequence, starting with the simplest regular combinations of vowels and consonants and proceeding to the more complex, irregular ones.

The method I now use after 25 years' research is intensive, systematic phonics.

Of course, some students find phonics difficult. It is a mistake to believe that just because some individuals may have difficulty mastering phonics that they can be taught to read by "look-say" or any other way. Students must simply persevere until they do learn it.

Perhaps the methods controversy would not be so important or crucial if it merely concerned teaching styles or

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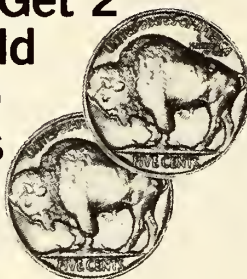
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Literacy Crisis

... Continued

the rate of speed at which a youngster learns to read. As Dr. Orton pointed out in 1929, it concerns far more: the very mental and emotional health of the youngster being taught. The wrong method may turn a child into a lifelong functional illiterate, an intellectual cripple or an emotional mess.

We cannot calculate the harm that reading failure can do to an individual's self-esteem. Indeed, the wrong teaching method may result in intense, life-long suffering. This is a matter that the federal government no longer can continue to ignore, for federal funding is contributing to this ongoing suffering.

Is the creation of an unbiased and impartial national commission on reading instruction possible? Yes, if par-

"This is a matter that the federal government no longer can ignore."

ents and concerned citizens of this country demand it. The future literacy of an entire nation is at stake.

Such a commission would investigate, among other things, "the methods used to train teachers in all academic subject areas and grade levels to teach reading and reading comprehension; how reading is currently being taught in the classroom, and the effectiveness of these methods."

It is certainly in the interest of all parents and taxpayers to urge their congressmen to back this or similar legislation and community initiatives. Perhaps, then, we could finally resolve this lengthy controversy.

As we are engulfed by the literacy requirements of a highly complex world, it is essential that our children and grandchildren receive the training they need to cope with their future informational requirements.

At the very least, every concerned parent should urge his or her local government representatives and school board members to investigate alternate instruction methods. The future of our society may well be determined by the concern we, as parents, show today.

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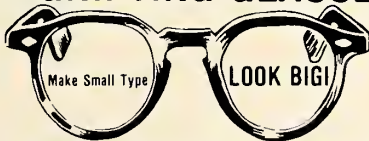


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CHIP SHOTS: THE COMPUTERIZATION OF SPORTS

The silicon wizardry of computers is now helping coaches and athletes toward better performances. But does electronic strategy really give a team an edge?



By Jay Stuller

For two weeks prior to Super Bowl XV in New Orleans in 1981, Philadelphia Eagles Coach Dick Vermeil studied his opponents, the Oakland (now Los Angeles) Raiders. A

workaholic since retired from football, Vermeil lived in his Veterans Stadium office, preparing his game plan into the

small hours of the morning, viewing dozens of films of Raider action. Just as important to his planning was a stack of computer printouts that told Vermeil almost everything the Raiders had done in the 1981 season.

From these data, Vermeil could learn what play the Raiders were most likely to run on second down and six, late in the third quarter with the ball at midfield. They also told Vermeil the types of defenses Oakland deployed, right down to where each player was positioned, in equally detailed situations. Accordingly, the Eagles entered the NFL championship game with well-crafted strategies and tactics, set to counter whatever Oakland was known to use. Everything save what Raider Coach Tom Flores later called "the personal touch."

Indeed, Oakland had stuffed opponents' passing games with a tight man-to-man coverage all season, but in Super Bowl XV they went into a soft zone. On offense, the Raiders threw Philly for a loss.

"I don't think they expected us to pass so often on first down," said Raider quarterback Jim Plunkett, "or run crossing patterns under their zone and pass for the short stuff." Oakland, you see, was known for passing the bomb. But with the help of these unorthodox moves, the Raiders quickly gained a 14-0 lead and waltzed to a 27-10 victory.

"Sometimes you have to cross-up teams," said Flores, who explained that Oakland also had computerized data on the Eagles and themselves. Such information, he said, "helps us judge when to change."

San Francisco-based author Jay Stuller is a frequent contributor to this and other national magazines. He is also an enthusiastic sports fan.

That is, when to gamble, and to shift from what's been successful to what is downright unexpected.

Ultimately, the Oakland players, and not the use or misuse of a computer, won the Super Bowl. But Vermeil admitted that perhaps he had leaned on the device too much. "The computer," he said, "is a great tool, a real timesaver. But you can get trapped by what it's telling you."

Nevertheless, the sports world is currently undergoing an electronic revolution. By using computers to process massive amounts of game information, coaches in football, baseball and even tennis are able to draw upon sophisticated statistical summaries, which may indicate strengths and weaknesses in themselves and their oppositions.

Formerly, these analyses were done manually, a tedious process in which scouts and coaches would attempt to chart and to categorize plays on paper, either at a game or from film. But with all the variables inherent in football, for example, there simply wasn't enough time for great detail. Nuances that occur unpredictably reveal themselves in comprehensive statistics.

"Before computers, it would take the coaching staff 14 to 16 hours to get the game plan ready," said former Kansas City Chiefs Coach Hank Stram. Since teams need to study games just played by their upcoming opponents—usually prepared from films the day after each game—these additional hours cut into vital preparation time. Now, when the game film comes in on Monday morning, everything that happened can be entered into a computer by noon. Coaches can develop a game plan by evening and start working with players on Tuesday morning.

The genesis of plugged-in pigskin came from a team that has been run by what may be some of the best hands in NFL history: the Dallas Cowboys. Back when Apple meant only a fruit, and computers were used only by the government and large corporations, the Cowboys went electronic. Nearly every play, including offensive and defensive formations, time of the game, place on the field and what happened, run by or against the Cowboys, exists on computer tapes.

The keeper of this repository, and the man who develops the team's game plans, is 63-year-old Ermal Allen, who has been with Dallas for 23 years.

THE COMPUTERIZATION OF SPORTS

Allen lives with game films, charting all the particulars of the plays used by Dallas and those used by upcoming opponents. On Monday mornings, Allen hands Landry a two-inch-thick game plan for the upcoming contest. In this material, much of it generated through computer analysis, are keys to how the Cowboys should attack their opponent; keys that are shown as "tendencies."

"Tendencies" are watchwords in NFL game plans. Allen defined a "tendency" as when a team runs a particular play, or employs a specific defense, more than 70 percent of the time in a given situation.

Savvy teams also "scout" themselves as thoroughly as the opposition. "We can fall into 'tendencies,' too," said Allen.

It would seem on the surface that a knowledgeable football man could do this without electronic help. But pro offenses and defenses sport a bewildering number of variations.

Translated into codes and entered into a data base, these variations, and plays that have been known to work against them, can be pulled out in an instant.

Several teams have their own com-

puters. Many others rely on outside firms to provide advance reports.

Professional football has led the way in the use of computers. Virtually all 28 NFL teams use them for strategic and tactical analyses. Now, major league baseball, long a bastion of reactionary thinking, has entered the modern era. Several teams, including the Oakland A's, the Chicago White Sox and the Texas Rangers, are using computers to help with managers' field decisions.

Baseball is the "traditionalist's" sport. It's a game that, except for artificial turf, more relief pitchers and night contests, really hasn't changed much since its inception. Yet, computers have started to make inroads here too, thanks to the influence of a new breed of statisticians, members of the Society for American Baseball Research (SABR).

These "number freaks," who call themselves "sabermetricians," have been massaging and manipulating the hallowed statistics of baseball (runs, hits, outs, errors and so on) with methods that bring new perspectives to the game.

Baseball is a sport of random and unpredictable events. But by exploiting the tremendous mathematical power of a computer, baseball analysts can create new categories of data and devise a more reliable fix on statistical probabilities.

With computers, "sabermetricians" also can develop some material that can help managers determine a player's true strengths and worth.

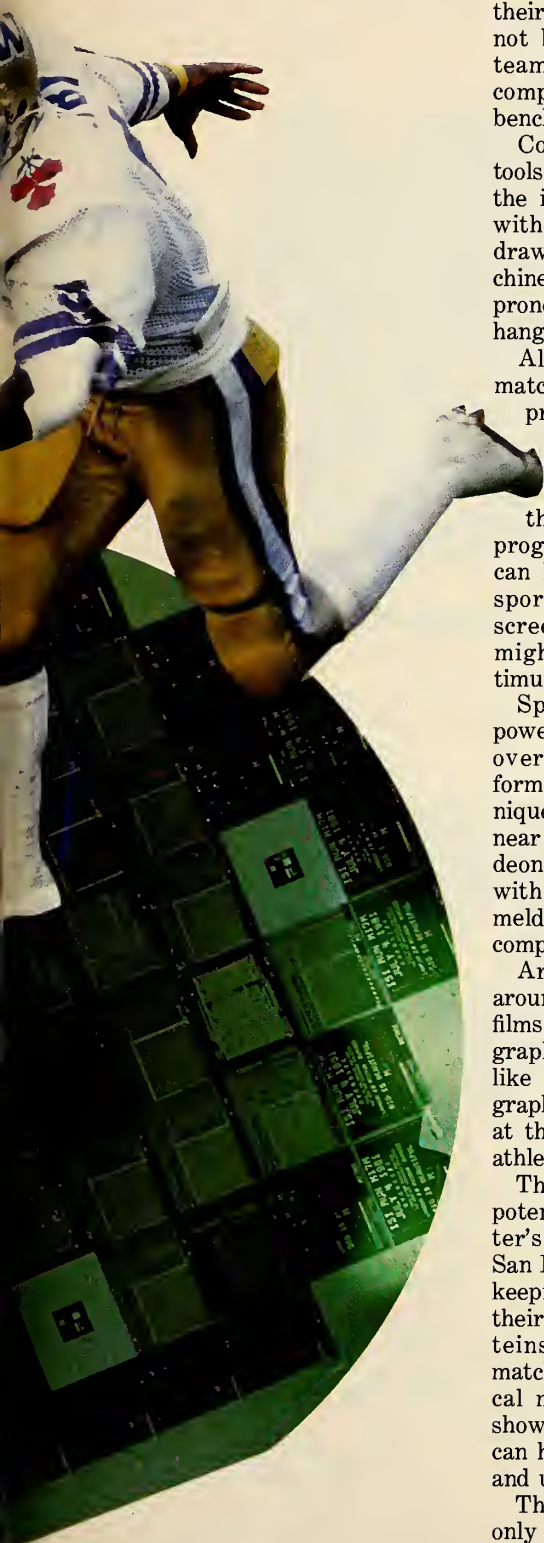
Computers can even chart such details as how an individual performs be-

fore large or small crowds, what effect wind direction and velocity have on play, the dimensions of the ballpark and game situations like the inning, score, number of outs and count.

Thus, a baseball computer can have great tactical application. Both the A's and the White Sox, for example, are hooked into a system called Edge 1.000. The system's centerpiece is a mainframe computer that contains *all* major league baseball records since the turn of the century.

Many old-line managers fear the computer, perhaps holding the notion





that the machine could one day take their place. That's unlikely, but it may not be long before all major league teams, if only to keep up with the competition, will need an electronic bench-jockey.

Computers, to be sure, are only tools. They also are only as good as the information put into them, along with the quality of the conclusions drawn from the raw data. The machines can do little to help a fumble-prone running back, or a pitcher who hangs high curves.

Also, the key points of a tennis match are being put into statistical profiles, which makes obvious the players mistakes, but also might show a strength the player didn't know he or she had. In the last several years, computer programs have been developed that can literally show an athlete in any sport—by means of graphics on a screen—where form and technique might be changed to generate optimum biomechanical performance.

Sports scientists are using the power of computers to help athletes to overcome physical barriers to performance through training and technique. In his sports research center near Trabuca Canyon, Calif., Dr. Gideon Ariel, a former discus thrower with the Israeli Olympic team, has melded the sciences of exercises and computers.

Ariel and other sports scientists around the world also have translated films of athletic activity into computer graphic displays. Looking something like stick figures on the screen, the graphics can provide an excellent look at the basic biomechanics of what an athlete is doing.

There are literally thousands of potential sporting uses for a computer's data recording capacities. The San Francisco 49ers have even started keeping a computerized record of what their players eat, broken down by proteins, carbohydrates and fats. By matching these data with other medical measurements, the 'Niners can show their players what impact diet can have upon percentage of body fat and upon other aspects of fitness.

These computer applications can only make athletes better and healthier. It's clear that these mathematical wonders can help coaches break down and understand their games at a level



never before imagined. Yet, as Dick Vermeil said, one can get trapped by what a computer is telling you.

Seattle Seahawk Coach Chuck Knox uses computer reports, but he views the machines with suspicion. "You put garbage in, and you get garbage out.

"Maybe I'm old fashioned," he said, "but I want to know the personality of the team we're playing. I want to know what the crowd is like, especially if we're going to their town. I might have to emphasize to my players to keep their poise when the fans are screaming."

Moreover, Knox said, you can't tell what's happening on the sidelines with films and computers. You can't tell if the special teams are whooping it up off the field, getting emotional and setting a tone for the entire squad. Computers don't take into account whether a player is having a beef with his coach, which may break his on-field concentration. The player might be an All-Pro, previously a class performer. A scout in the stands, however, might spot the trouble and clue his team to work the man over.

Attacking an All-Pro is a gamble. Gambles often run against what a computer, using past performances, indicates will work best. The electronic revolution will continue to make an impact on sports, assisting athletes and their mentors toward improved play. But, as San Francisco 49er Coach Bill Walsh says, "Beware of the coach with gut instincts." ■

PARTING SHOTS



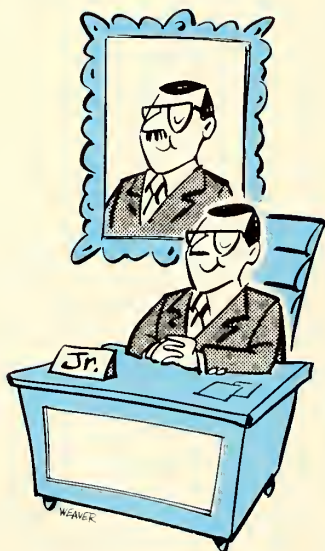
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I love that phrase "\$1000-a-plate." It always sounds like a burger that's being billed to the Pentagon.

Modern medical treatment is based on three simple letters: T.L.C. — Takes Lotsa Cash!

I can remember when a guy who tried to cozy up to every woman he met was called a Casanova. Now he's called a candidate.

God created the world in six days and rested on the seventh. On the eighth day, He started to answer complaints.



The fastest way to succeed in business is to call the boss by his first name — "Dad."

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"You might want to explain to him that I'll bring it back after it's fixed."

Bottoms Up

A young husband excitedly told his wife, "I've invented a new type of lady's handbag."

"What's new about it?" she asked.

"The zipper's at the bottom," he said. "Isn't that where everything usually is when you want it?"

—Elizabeth North

No Childish Scrawl

A husband and wife were arguing and the husband was getting the worst of it. "Well," he said finally, "I'm beginning to see the handwriting on the wall."

"Please leave the children out of this," his wife snapped.

—Lane Olinghouse

Car Power

A simple but sure solution to the high school dropout problem would be to require a diploma of all automobile drivers.

—Henry E. Leabo

By The Weigh

Foods like spaghetti and lasagna
Are apt to put a few pounds on ya.

—G. Sterling Leiby

Back Seat Silence

"What caused you to hit the other car?" the judge asked the motorist.

"Your honor, it was my mother-in-law's fault. She was sitting in the back seat and fell asleep."

—A. H. Berzen

Escape

"I suppose the day you're discharged," the sergeant said to his men, "you'll be outside my office impatient to tell me off."

One private whispered to another, "Not me. I never want to wait in line again."

—Ralph O. Wills

From Mouths Of Babes

Remember when you could tell a youngster the facts of life without getting into a debate and winding up learning something yourself?

—George Winger

True To Thyself

A notice was posted announcing a discussion of mental disorders. Taped to the notice was the message: "I've half a mind to attend."

—Hal E. Burton

DOES 60 lbs. OF TOMATOES FROM ONE YIELD SOUND INCREDIBLE?

NOT IF YOU OWN THE

Amazing

TREE TOMATO

(Cythomandra betacea)



GROWS INDOORS OR OUTDOORS . . . YOU PICK BASKET AFTER BASKET OF RIPE, TASTY TOMATOES . . . ONE BUMPER CROP AFTER ANOTHER . . . 5 TO 7 MONTHS A YEAR . . . YEAR AFTER YEAR!

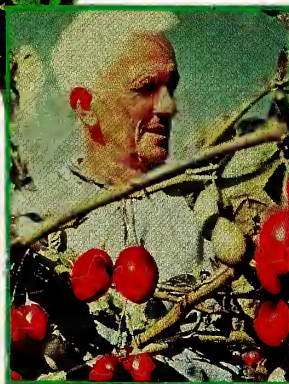
We Get Letters!

Read what Mr. L. F. S. of Wisc. has to say: "...Just a line to let you know the Tree Tomato is doing great . . . about 5½ ft. tall . . . you said leaves grew 12" . . . mine are 15 and 16". It's just beautiful!"

Noted Citriculturist of New Zealand says:

"Ripening in New Zealand from late April to early November, the tree tomato (or Tamarillo) has a very long fruiting season. Its wide range of culinary uses make it a valuable winter and spring fruit . . . a welcome addition to the menu."

"Although introduced into New Zealand many years ago, it is only in recent years that the tree tomato has become better known for its many uses. It is now much sought after, and its popularity is indicated by the high price realized for it on local markets . . . Under suitable conditions the plant will produce from 40 to 60 lbs. of fruit annually."



From Lakeland Nurseries comes the biggest garden sensation of the century . . . THE PERENNIAL TOMATO!

The **TREE TOMATO** . . . a remarkable new horticultural concept . . . unlike anything you've ever seen before! **NOT** a vine . . . **NOT** a regular tomato plant that withers and dies after one summer . . . the **TREE TOMATO** is a living, growing tree that **BEARS FRUIT SEASON AFTER SEASON . . . YEAR AFTER YEAR!**

Why settle for garden-fresh tomatoes a few short weeks of the year? Why put up with hothouse tomatoes that taste like cardboard the rest of the time? Not when you can pick crop after crop of red, plump juicy **TREE TOMATOES** up to 7 months a year (all year 'round when grown indoors)!

WAVE AFTER WAVE OF SUCCULENT TREE TOMATOES GROW AS QUICK AS YOU CAN PICK 'EM!

Your **TREE TOMATO** will arrive already leafed-out . . . in full, green hardy vigor! When ready to bear, the branches will literally droop with huge clusters of delicious **TREE TOMATOES**, hundreds upon hundreds . . . and, as one crop is harvested, another rushed forth to take its place . . . so you have a virtually constant supply of luscious **TREE TOMATOES!**

CAN BE TUB-GROWN INDOORS FOR YEAR-ROUND TOMATO HARVESTS!



GROW IT OUTDOORS AS A TREE—INDOORS AS A HOUSEPLANT!

The **TREE TOMATO** will thrive marvelously—indoors or out! If you live in a temperate zone, plant it outdoors and enjoy its bountiful, exotic beauty in your garden! Or, tub-grow the **TREE TOMATO**, bring it indoors for winter, and surprise your family and friends with ripe, just-picked tomatoes. Or . . . cultivate the **TREE TOMATO** as a house-plant anytime . . . anywhere! The **TREE TOMATO** will achieve heights of up to 8 ft. outdoors, but it can be trimmed and trained to any size or shape you wish!

ENJOY TREE TOMATOES SO MANY DELECTABLE WAYS!

We think **TREE TOMATOES** are much tastier than ordinary tomatoes . . . It's hard to find a meatier, firmer, more bursting-with-goodness taste treat! Of course, like all fruit, your tree tomatoes should be eaten ripe. Rich in Vitamin C, **TREE TOMATOES** are fabulous in salads, sandwiches and are absolutely fantastic just sliced up and popped in your mouth!

Nothing beats fresh produce, so why continue to pay high supermarket prices for inferior tomatoes, when you can grow your own **TREE TOMATOES**? REMEMBER, **WE SHIP MATURE PLANTS . . . NOT SEEDS . . . ORDER YOUR TREE TOMATOES TODAY!** Full growing instructions included.

LAKELAND'S DOUBLE GUARANTEE

All plants must arrive in perfect condition. If you are not totally satisfied with any order, return within 10 days for a prompt replacement or refund of purchase price (except post. & hdlg.). And all plants must thrive after planting, or return anytime within 3 months for prompt replacement—no questions asked!

LAKELAND NURSERIES SALES, Hanover, Pa. 17333

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**LAKELAND NURSERIES SALES, Dept. NL-2189
Bldg. #5, Hanover, PA 17333**

Sure, I want to enjoy fresh-picked tomato goodness—even out of season! Kindly send **TREE TOMATOES** (L101170E) as indicated below on money-back guarantee.

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- ☐ 2 **TREE TOMATOES** @ only \$9.99 + \$1.40 post. & handl.
- ☐ 4 **TREE TOMATOES** @ only \$16.99 + \$2.40 post. & handl.

Enclosed is \$_____ (Pa. residents add sales tax.)

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CITY _____ STATE _____ ZIP _____

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business appointment or special
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Slacks
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70E-00H

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Pearl GREY	F			
Mist GREEN	E			
NAVY	C			
BROWN	D			
KHAKI (not shown)	B			

**YOUR
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All waist
sizes
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finished in your
exact length &
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